Version 1/2024

PHYTOPLAN®

Pflanzliche Wirkstoffe und Analytik

Product List 2024

Reference Substances

Natural Compounds

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Dear customer, dear interested parties,

We are pleased to present our current product list for 2024.

Once again this year, we were able to adjust the prices only slightly and even reduce them in some cases without compromising on the usual quality.
The best way to find out about our current product list or changes is to visit www.phytoplan.com.

PhytoPlan has specialised in the extraction of phytochemicals for almost 30 years and offers its customers an inexpensive and constantly growing range of analytically documented substances. From the very beginning, the company has focussed on consistently high quality and comprehensive documentation.

We offer a wide range of qualities, from raw substances of lower purity to reference substances of the highest quality. Many substances are available in different purity levels. On request, customised documentation can be provided for each substance.

As we produce all substances in-house, you will always find a competent contact person for questions regarding extraction and analysis. Thanks to our experience with a wide range of substance classes, we can respond flexibly and competently to your needs.

We would like to take this opportunity to thank our loyal customers. If you are not yet familiar with us, we would be delighted if we have aroused your interest in our products. If you have any questions or suggestions, simply get in touch with us.

Dr. Michael Diehm
Dr. Karl Neuberger

Catalogue of natural compounds

In our catalogue we have listed the substances which are near-term available. Often you can choose a definite degree of purity and extent of documentation (see column ' documents delivered ').
The substances are mostly of high purity and are available as identification standards or HPLC standards dependent on the extent of the documentation. Some compounds are offered also in larger quantities with a lower degree of purity.
All substances are delivered with an individual certificate of analysis which shows the purity by means of HPLC DAD. In addition you will find specific data of the substance together with a DAD ultraviolet spectrum.
Due to their purity (usually 97.0 – 99.0 %) the reference substances in our catalogue are suitable for ambitious applications. On customers request the extent of the current documentation can be individually expanded and adapted.
Please check which specific requirement of the documentation for your application (e.g. for authorization or registration, HPLC standard, working standard etc.) is demanded.

Reference substances (.RS)

This class of substances is characterized by high purity (mostly greater 98.0 %). The certificate of analysis delivered contains both chromatographic measurements of the purity with TLC, HPLC-DAD and/or GC/MS and spectroscopic measurements like NMR, UV, IR, MS inclusive the spectra and data interpretation.

The extent of the certificate of analysis is listed in the catalogue on the column 'documents delivered'. On customers request also further analytical investigations (content of water, solvent residues) can be performed.
If you are interested we can transfer you more information about discrete substances.
Dependent on the quantity ordered the delivery time may be prolonged. The availability of these substances however is warranted for longer periods.
On demand we can extend the certificates of analysis which are designed only for HPLC standards with further documents so that these substances can also be characterized as identification standards.

HPLC-standards

We supply these substances with purities predominantly in the range of 95.0 – 99.0 %. The current purity of each batch is indicated in the certificate of analysis together with a HPLC DAD chromatogram and UV spectrum.

Bulkware

Some compounds are offered with a lower degree of purity but in larger units and at a more favourable price. For degrees of purity not specified in the catalogue we can make you an offer. In all cases you are provided with a certificate with HPLC DAD chromatogram.

Isolation on request

If you are interested in one or several compounds from a definite plant we will study the feasibility and make you an offer in accordance with the individual costs. The requirements of the documentation and the specification will be made by your defaults.
In our laboratories we use all established chromatographic separation media and separation techniques. This enables us to produce even difficult accessible substances in multigram quantities. The likewise existing classical-chemical laboratory equipment facilitates also synthetic alternatives to pure isolation.

Purification on request

If you have a substance which is not sufficiently pure for your application we can clean it up in accordance with your specification. Use our broad experience with different classes of substances and separation problems. Please request for an offer.

Shipment costs

Dependent on the country we must charge your parcel with different effective shipment costs. We will inform you about the costs on demand or in the order confirmation.

List of available compounds

A
Acacetin
Acetoxyvalerenic acid
6-O-Acetylacteoside
3-O-Acetyl-α-boswellic acid
3-O-Acetyl-β-boswellic acid
3-O-Acetyl-9,11-dehydro-β-boswellic acid
7-O-Acetylintermedine
7-O-Acetylintermedine N-oxide
3-O-Acetyl-11-keto-β-boswellic acid
7-O-Acetyllycopsamine hydrochloride
7-O-Acetyllycopsamine N-oxide
Actein
Acteoside
Agnuside
Albine hydrochloride
Aloe-Emodin
Aloenin A
Amarogentin
Anagyrin hydrochloride
Angustifoline
Apigenin
Apigenin 7-glucoside
Apiin
Aristolochic acid mixture
Aristolochic acid sodium salt
Aristolochic acid I
Aristolochic acid II
Aristolochic acid C
Aristolochic acid D
Aucubin
Azadirachtin

B
Baicalein
Baicalin
Bergamottin
Betulin
Betulinic acid
(-)-Bilobalide
α-Boswellic acid
β-Boswellic acid

C
Caftaric acid
Castalagin
Castalin
Casticin
Catalpol
(-)-Catechin
(+)-Catechin
Cephaeline dihydrobromide
α-Chaconine
Chamaemeloside
Chebulinic acid
Chelidonine
Chlorogenic acid
Cichoric acid
Cimiaceroside A
Cimigenol 3-O-arabinoside
Cimigenol 3-O-xyloside
Cimiracemoside A
Cimiracemoside C
Cimiracemoside F
Cnicin
Coptisine chloride
Cucurbitacin I
Curcumin
Cyanidin 3-arabinoside chloride
Cyanidin chloride
Cyanidin 3-galactoside chloride
Cyanidin 3-glucoside chloride
Cyanidin 3-(6”-malonylglucoside)
Cyanidin 3-rutinoside chloride
Cyanidin 3-sambubioside chloride
Cyanidin 3-sophoroside chloride
Cyanin chloride
Cynarin
Cytisine

D
Delphinidin chloride
Delphinidin 3,5-diglucoside chloride
Delphinidin 3-galactoside chloride
Delphinidin 3-glucoside chloride
Delphinidin 3-rutinoside chloride
Delphinidin 3-sambubioside chloride
27-Deoxyactein
26-Deoxycimicifugoside
Dhurrin
(+)-Dihydroquercetin

E
Echimidine perchlorate
Echimidine N-oxide
Echinacoside
Echinatine sulfate
Echinatine N-oxide
β-Elemonic acid
Elenolic acid 2-O-glucoside
Eleutheroside B
Eleutheroside E
Emodin (Frangula-)
Englerin A
Englerin B
(-)-Epicatechin
(-)-Epicatechin 3-gallate
(-)-Epigallocatechin
(-)-Epigallocatechin 3-gallate
Epiprogoitrin
(Z)-Erucifoline
(Z)-Erucifoline N-oxide
Eupatorin
Europine hydrochloride
Europine N-oxide

F
Frangulin (A + B)
Frangulin A
Frangulin B

List of available compounds

G
(-)-Gallocatechin
[6]-Gingerol
[8]-Gingerol
[10]-Gingerol
Ginkgolide A
Ginkgolide B
Ginkgolide C
Ginkgolic acids RN
Glucoalyssin
Glucoarabin
Glucobarbarin
Glucoberteroin
Glucobrassicanapin
Glucobrassicin
Glucocamelinin
Glucocapparin
Glucocheirolin
Glucoerucin
Glucohesperin
Glucohirsutin
Glucoiberin
Glucolimnanthin
Glucomoringin
Gluconapin
Gluconasturtiin
Glucoraphanin
Glucoraphasatin E/Z mixture
Glucoraphenin
Glucotropaeolin

H
Hamamelitannin
Harpagide
Harpagoside
Hederacoside C
Hederagenin
α-Hederin
Heliosupine sulfate
Heliosupine N-oxide
Heliotridine
Heliotridine N-oxide
Heliotrine
Heliotrine N-oxide
Hesperetin
Hesperidin
Homoorientin
Homoglucocamelinin
7-Hydroxyaristolochic acid I
4-Hydroxyglucobrassicin
13-Hydroxylupanine
18-Hydroxyspartioidine
Hydroxytyrosol
Hydroxyvalerenic acid
Hyperforin/Adhyperforin DCHA salt
Hypericin
Hypericin sodium salt
Hyperoside

I
Icariin
Indicine hydrochloride
Indicine N-oxide
Integerrimine
Integerrimine N-oxide
Intermedine
Intermedine N-oxide
Isoacteoside
Isoorientin
Isoquercitrin
Isorhamnetin
Isoverbascoside
Isovitexin
Isoxanthohumol

J
Jacobine
Jacobine N-oxide
Jacoline
Jacoline N-oxide
Jaconine
Jaconine N-oxide

K
Kaempferol
Kaempferol 3-glucoside
11-Keto-β-boswellic acid
Kuromanin chloride

L
Lasiocarpine
Lasiocarpine N-oxide
Leiocarposide
Linarin
Lucidin 3-primveroside
Lupanine hydrochloride
Lutein
Luteolin
Luteolin 7-glucoside
Lycopene
Lycopsamine
Lycopsamine N-oxide

M
(-)-Maackiain
Malvidin chloride
Malvidin 3-galactoside chloride
Malvidin 3-glucoside chloride
Malvin chloride
Manassantin A
Manassantin B
Merenskine
Merenskine N-oxide
Merepoxine
Merepoxine N-oxide
4-Methoxyglucobrassicin
Monocrotaline
Monocrotaline N-oxide
Morindin
Moringin
Multiflorine
Myricitrin

List of available compounds

N
Narciclasine
Naringenin
Naringin
Neoglucobrassicin

O
Oenin chloride
Oleuropein
α-Onocerin
Orientin

P
Pectolinarigenin
Pectolinarin
Pelargonidin chloride
Pelargonidin 3,5-diglucoside chloride
Pelargonidin 3-glucoside chloride
Penduletin
Peonidin chloride
Peonidin 3,5-diglucoside chloride
Peonidin 3-glucoside chloride
Petunidin 3-galactoside chloride
Petunidin 3-glucoside chloride
Picroside II
Primin
Primulaverin
Primverin
Progoitrin
Protopine
Punicalagin
Punicalin

Q
Quercetin
Quercetin 3-galactoside
Quercetin 3-glucoside
Quercitrin

R
Retronecine
Retronecine N-oxide
Retrorsine
Retrorsine N-oxide
Rhein
Rhein 8-O-glucoside
Riddelliine
Riddelliine N-oxide
Rinderine
Rinderine N-oxide
Robinin
Rosmarinic acid
Rosmarinine
Rosmarinine N-oxide
Ruberythric acid
Rutin
Ryanodine

S
Saponarin
Sceleratine
Sceleratine N-oxide
Senecionine
Senecionine N-oxide
Seneciphylline
Seneciphylline N-oxide
Senecivernine
Senecivernine N-oxide
Senkirkin
Sennoside A
Sennoside A1
Sennoside B
Sennoside C
[6]-Shogaol
Silybin
Sinalbin
Sinalbin potassium salt
Sinensetin
Sinigrin
α-Solanine
Spartioidine
Spartioidine N-oxide
Spiraeoside
Sutherlandioside B
Sutherlandioside D

T
(+)-Taxifolin
Thesinine
Thesinine 4‘-glucoside
Trichodesmine
Trichodesmine N-oxide
Trifolirhizin

U
Umckalin
Ursolic acid
Usaramine hydrochloride
Usaramine N-oxide

V
Valerenic acid
Verbascoside
Vescalagin
ε-Viniferin
Vitexin
Vitexin 2‘‘-O-rhamnoside

W
Wogonin
Wogonoside

X
Xanthohumol

List of available compounds

We have a special focus on the following categories:

Anthocyans

Cyanidin 3-arabinoside chloride
Cyanidin chloride
Cyanidin 3-galactoside chloride (Ideain chloride)
Cyanidin 3-glucoside chloride
Cyanidin 3-(6”-malonylglucoside)
Cyanidin 3-rutinoside chloride
Cyanidin 3-sambubioside chloride
Cyanidin 3-sophoroside chloride
Cyanin chloride
Delphinidin chloride
Delphinidin 3,5-diglucoside chloride
Delphinidin 3-galactoside chloride
Delphinidin 3-glucoside chloride
Delphinidin 3-rutinoside chloride
Delphinidin 3-sambubioside chloride
Kuromanin chloride
Malvidin chloride
Malvidin 3-galactoside chloride
Malvidin 3-glucoside chloride (Oenin chloride)
Malvin chloride
Pelargonidin chloride
Pelargonidin 3,5-diglucoside chloride
Pelargonidin 3-glucoside chloride
Peonidin chloride
Peonidin 3,5-diglucoside chloride
Peonidin 3-glucoside chloride
Petunidin 3-galactoside chloride
Petunidin 3-glucoside chloride

Glucosinolates

Epiprogoitrin
Glucoalyssin
Glucoarabin
Glucobarbarin
Glucoberteroin
Glucobrassicanapin
Glucobrassicin
Glucocamelinin
Glucocapparin
Glucocheirolin
Glucoerucin
Glucohesperin
Glucohirsutin
Glucoiberin
Glucolimnanthin
Glucomoringin
Gluconapin
Gluconasturtiin
Glucoraphanin
Glucoraphasatin E/Z-mixture
Glucoraphenin
Glucotropaeolin
Homoglucocamelinin
4-Hydroxyglucobrassicin
4-Methoxyglucobrassicin
Neoglucobrassicin
Progoitrin
Sinigrin
Sinalbin
Sinalbin potassium salt

Pyrrolizidine Alkaloids

7-O-Acetylintermedine
7-O-Acetylintermedine N-oxide
7-O-Acetyllycopsamine hydrochloride
7-O-Acetyllycopsamine N-oxide
Echimidine
Echimidine N-oxide
Echinatine sulfate
Echinatine N-oxide
Erucifoline
Erucifoline N-oxide
Europine hydrochloride
Europine N-oxide
Heliotridine
Heliosupine sulfate
Heliosupine N-oxide
Heliotridine N-oxide
Heliotrine
Heliotrine N-oxide
18-Hydroxyspartioidine
Indicine hydrochloride
Indicine N-oxide
Integerrimine
Integerrimine N-oxide
Intermedine
Intermedine N-oxide
Jacobine
Jacobine N-oxide
Jacoline
Jacoline N-oxide
Jaconine
Jaconine N-oxide
Lasiocarpine
Lasiocarpine N-oxide
Lycopsamine
Lycopsamine N-oxide
Merenskine
Merenskine N-oxide
Merepoxine
Merepoxine N-oxide
Monocrotaline
Monocrotaline N-oxide
Retronecine
Retronecine N-oxide
Retrorsine
Retrorsine N-oxide
Riddelliine
Riddelliine N-oxide
Rinderine
Rinderine N-oxide
Rosmarinine
Rosmarinine N-oxide
Sceleratine
Sceleratine N-oxide
Senecionine
Senecionine N-oxide
Seneciphylline
Seneciphylline N-oxide
Senecivernine
Senecivernine N-oxide
Senkirkine

List of available compounds

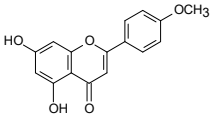
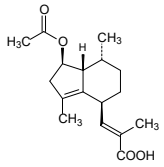
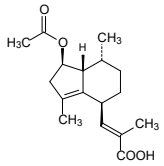
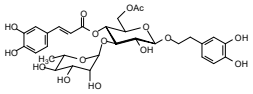
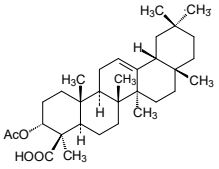
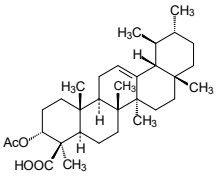
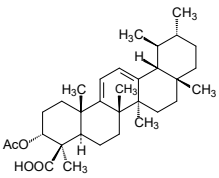
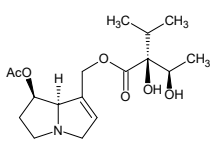
Pyrrolizidine Alkaloids

Spartioidine
Spartioidine N-oxide
Thesinine
Thesinine 4'-glucoside
Trichodesmine
Trichodesmine N-oxide
Usaramine hydrochloride
Usaramine N-oxide

Quinolizidine Alkaloids

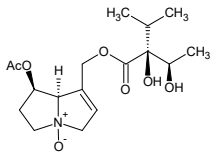
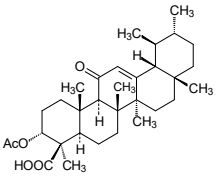
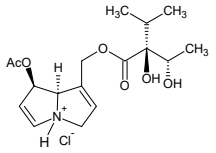
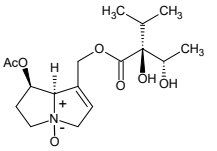
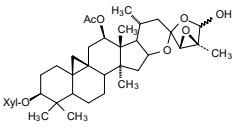
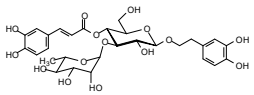
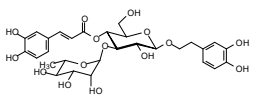
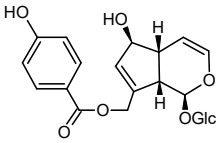
Albine hydrochloride
Anagyrine chloride
Angustifoline
13-Hydroxylupanine
Cytisine
Lupanine chloride
Multiflorine

Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Acacetin** Linarigenin, 5,7-Dihydroxy-4'-methoxyflavone from Robinia pseudoacacia **Art. 3209.99** >99.0 % [480-44-4] $C_{16}H_{12}O_5$ M_r 284.26	HPLC-DAD with UV-Spectrum	20 mg 50 mg	120 270
	**Acetoxyvalerenic acid** from Valeriana officinalis **Art. 4402.RS** >98.0 % [81397-67-3] or [84638-55-1] $C_{17}H_{24}O_4$ M_r 292.37	HPLC-DAD (2 methods), TLC (2 methods), ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, solvent residue, water content	25 mg	370
	**Acetoxyvalerenic acid** from Valeriana officinalis **Art. 4402.98** >98.0 % [81397-67-3] or [84638-55-1] $C_{17}H_{24}O_4$ M_r 292.37	HPLC-DAD with UV-Spectrum	10 mg 25 mg	172 295
	**6-O-Acetylacteoside** 6-O-Acetylverbascoside from Harpagophytum procumbens **Art. 6100.99** >99.0 % [441769-43-3] $C_{31}H_{38}O_{16}$ M_r 666.64	HPLC-DAD with UV-Spectrum	10 mg 20 mg	140 210
	**3-O-Acetyl-α-boswellic acid** (3α,4β)-3-Acetoxyolean-12-en-23-oic acid from Boswellia serrata **Art. 5154.99** >99.0 % [89913-60-0] $C_{32}H_{50}O_4$ M_r 498.73	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	160 265 450
	**3-O-Acetyl-β-boswellic acid** (3α,4β)-3-Acetoxyurs-12-en-23-oic acid from Boswellia serrata **Art. 5151.99** >99.0 % [5968-70-7] $C_{32}H_{50}O_4$ M_r 498.73	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	140 210 375
	**3-O-Acetyl-9-11-dehydro-β-boswellic acid** (3α,4β)-3-Acetoxyurs-10,12-dien-23-oic acid Acetyl-γ-boswellic acid from Boswellia serrata **Art. 5156.98** >98.0 % [122651-20-1] $C_{32}H_{48}O_4$ M_r 496.71	HPLC-DAD with UV-Spectrum	5 mg	335
	**7-O-Acetylintermedine** Intermedin1-acetate from Symphytum officinale **Art. 6276.95** >95.0 % [74243-01-9] $C_{17}H_{27}NO_6$ M_r 341.40	HPLC-DAD with UV-Spectrum	5 mg 10 mg	224 385

By ordering a single compound in the 5fold or 10fold quantity in one packing unit you will get a discount of 10 percent or 15 percent respectively.

Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**7-O-Acetylintermedine N-oxide** from Symphytum officinale **Art. 6277.95** >95.0 % [685132-59-6] $C_{17}H_{27}NO_7$ M_r 357.40	HPLC-DAD with UV-Spectrum	5 mg 10 mg	224 385
	**3-O-Acetyl-11-keto-β-boswellic acid** 3α-Acetoxyurs-12-en-11-keto-23-oic acid from Boswellia serrata **Art. 5153.99** >99.0 % [67416-61-9] $C_{32}H_{48}O_5$ M_r 512.73	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	130 195 350
	**7-O-Acetyllycopsamine hydrochloride** Lycopsamine 1'-acetate hydrochloride from Symphytum **Art. 6350.95** >95.0 % [-] $C_{17}H_{28}ClNO_6$ M_r 377.86	HPLC-DAD with UV-Spectrum	5 mg 10 mg	224 385
	**7-O-Acetyllycopsamine N-oxide** from Symphytum **Art. 6273.97** >97.0 % [685132-58-5] $C_{17}H_{27}NO_7$ M_r 357.40	HPLC-DAD with UV-Spectrum	5 mg 10 mg	224 385
	**Actein** Shengmating from Cimicifuga racemosa **Art. 3506.99** >99.0 % [18642-44-9] $C_{37}H_{56}O_{11}$ M_r 676.84	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	165 215 410
	**Acteoside** **Verbascoside** from Paulownia tormentosa **Art. 6101.RS** >98.0 % [61276-17-3] $C_{29}H_{36}O_{15}$ M_r 624.59	HPLC-DAD, TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS	20 mg 50 mg	340 690
	**Acteoside** **Verbascoside** from Paulownia tormentosa **Art. 6101.98** >98.0 % [61276-17-3] $C_{29}H_{36}O_{15}$ M_r 624.59	HPLC-DAD with UV-Spectrum	10 mg 20 mg 50 mg	140 250 510
	**Agnuside** 10-p-Hydroxybenzoylaucubin from Vitex agnus castus **Art. 2102.99** >99.0 % [11027-63-7] $C_{22}H_{26}O_{11}$ M_r 466.44	HPLC-DAD with UV-Spectrum	10 mg 20 mg	135 245

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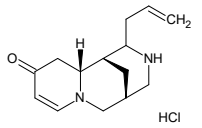
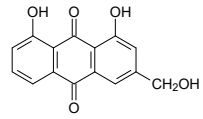
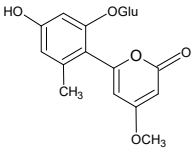
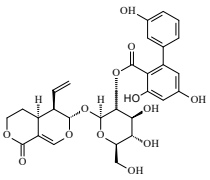
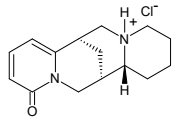
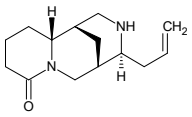
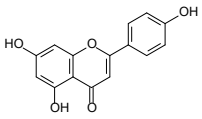
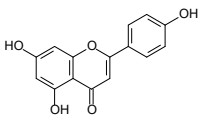
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Albine hydrochloride** from Lupinus albus **Art.-Nr. 6329.95** >95.0 % [53915-26-7] (Albine) $C_{14}H_{21}ClN_2O$ M_r 268.78	HPLC-DAD with UV-Spectrum	5 mg 10 mg	309 532
	**Aloe-Emodin** 1,8-Dihydroxy-3-(hydroxymethyl)-anthraquinone synthetic **Art. 3714.99** >99.0 % [481-72-1] $C_{15}H_{10}O_5$ M_r 270.23	HPLC-DAD with UV-Spectrum	20 mg 50 mg	120 270
	**Aloenin A** from Aloe arborescens **Art. 4105.99** >99.0 % [38412-46-3] $C_{19}H_{22}O_{10}$ M_r 410.38	HPLC-DAD with UV-Spectrum	10 mg 20 mg	120 220
	**Amarogentin** from Gentiana lutea **Art. 2122.99** >99.0 % [21018-84-8] $C_{29}H_{30}O_{13}$ M_r 586.54	HPLC-DAD with UV-Spectrum	10 mg 20 mg	145 265
	**Anagyrine hydrochloride** from Anagyris foetida **Art. 6325.97** >97.0 % [5973-07-9] $C_{15}H_{21}ClN_2O$ M_r 280.80	HPLC-DAD with UV-Spectrum	5 mg 10 mg	194 336
	**Angustifoline** Jamaicensine from Lupinus angustifolius **Art. 6320.95** >95.0 % [550-43-6] $C_{14}H_{22}N_2O$ M_r 234.34	HPLC-DAD with UV-Spectrum	5 mg	265
	**Apigenin** 4',5,7-Trihydroxyflavone from Chamomillae romana **Art. 3205.99** >99.0 % [520-36-5] $C_{15}H_{10}O_5$ M_r 270.23	HPLC-DAD with UV-Spectrum	20 mg 50 mg 100 mg	100 215 405
	**Apigenin** 4',5,7-Trihydroxyflavone from Chamomillae romana **Art. 3205.97** >97.0 % [520-36-5] $C_{15}H_{10}O_5$ M_r 270.23	HPLC-DAD with UV-Spectrum	50 mg	140

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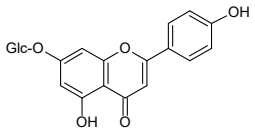
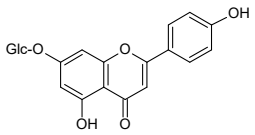
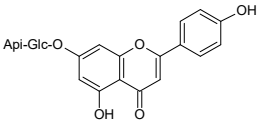
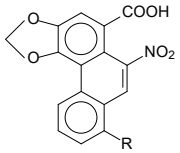
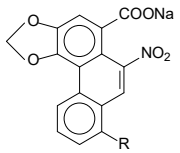
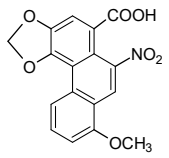
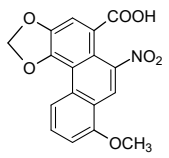
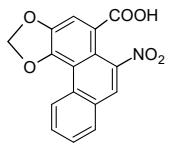
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Apigenin 7-glucoside** Apigetrin, Cossmetin, 7-Glucosylapigenin from Chamomillae romana **Art. 3207.99** >99.0 % [578-74-5] $C_{21}H_{20}O_{10}$ M_r 432.38	HPLC-DAD with UV-Spectrum	20 mg 50 mg	148 330
	**Apigenin 7-glucoside** Apigetrin, Cossmetin, 7-Glucosylapigenin from Chamomillae romana **Art. 3207.97** >97.0 % [578-74-5] $C_{21}H_{20}O_{10}$ M_r 432.38	HPLC-DAD with UV-Spectrum	100 mg	165
	**Apiin** Apioside, Apigenin 7-apiosylglucoside from Petroselinum crispum **Art. 3244.98** >98.0 % [26544-34-3] $C_{26}H_{28}O_{14}$ M_r 564.50	HPLC-DAD with UV-Spectrum	10 mg 20 mg	170 310
	**Aristolochic acid** mixture of Aristolochic acids with Aristolochic acid I and II as main components from Aristolochia clematitis **Art. 4610.96** >96.0 % [67123-64-2]	HPLC-DAD with UV-Spectrum	500 mg	275
	**Aristolochic acid Sodium salt** mixture of Aristolochic acids I and II as main components, Sodium salt from Aristolochia clematitis **Art. 4615.96** >96.0 % [10190-99-5]	HPLC-DAD with UV-Spectrum	250 mg	240
	**Aristolochic acid I** Aristolochic acid A, Aristolochin from Aristolochia clematitis **Art. 4611.99** >99.0 % [313-67-7] $C_{17}H_{11}NO_7$ M_r 341.28	HPLC-DAD with UV-Spectrum	10 mg	100
	**Aristolochic acid I** Aristolichic acid A, Aristolochin from Aristolochia clematitis **Art. 4611.96** >96.0 % [313-67-7] $C_{17}H_{11}NO_7$ M_r 341.28	HPLC-DAD with UV-Spectrum	100 mg 250 mg	148 320
	**Aristolochic acid II** Aristolochic acid B, Noraristolochic acid from Aristolochia clematitis **Art. 4613.99** >99.0 % [475-80-9] $C_{16}H_9NO_6$ M_r 311.25	HPLC-DAD with UV-Spectrum	10 mg	105

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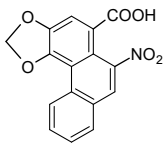
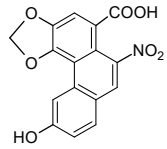
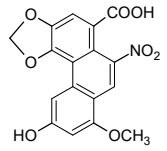
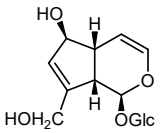
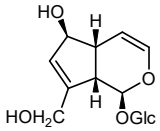
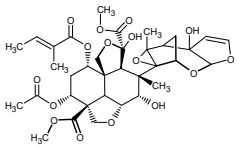
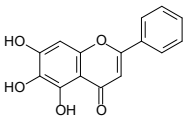
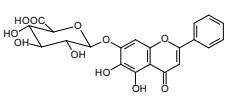
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Aristolochic acid II** Aristolochic acid B, Noraristolochic acid from Aristolochia clematitis **Art. 4613.96** >96.0 % [475-80-9] $C_{16}H_9NO_6$ M_r 311.25	HPLC-DAD with UV-Spectrum	100 mg 250 mg	210 480
	**Aristolochic acid C** Aristolochic acid IIIa from Aristolochia clematitis **Art. 4612.98** >98.0 % [4849-90-5] $C_{16}H_9NO_7$ M_r 327.25	HPLC-DAD with UV-Spectrum	10 mg	295
	**Aristolochic acid D** Aristolochic acid IVa from Aristolochia clematitis **Art. 4614.96** >96.0 % [17413-38-6] $C_{17}H_{11}NO_8$ M_r 357.27	HPLC-DAD with UV-Spectrum	10 mg	350
	Aristolochic acid I, 7-Hydroxy- see 7-Hydroxyaristolochic aicd I			
	**Aucubin** Rhinanthin, Aucuboside from Aucuba japonica **Art. 2101.RS** >99.0 % [479-98-1] $C_{15}H_{22}O_9$ M_r 346.33	HPLC-DAD ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), MS, Melting point	20 mg 50 mg	270 450
	**Aucubin** Rinanthin, Aucuboside from Aucuba japonica **Art. 2101.99** >99.0 % [479-98-1] $C_{15}H_{22}O_9$ M_r 346.33	HPLC-DAD with UV-Spectrum	20 mg	132
	**Azadirachtin** from Azadirachta indica **Art. 4501.97** >97.0 % [11141-17-6] $C_{35}H_{44}O_{16}$ M_r 720.72	HPLC-DAD with UV-Spectrum	1 mg 5 mg	100 250
	**Baicalein** 5,6,7-Trihydroxyflavone from Scutellaria baicalensis **Art. 3204.99** >99.0 % [491-67-8] $C_{15}H_{10}O_5$ M_r 270.24	HPLC-DAD with UV-Spectrum	20 mg	150
	**Baicalin** 5,6,7-Trihydroxyflavone 7-glucuronide Baicalein-7-β-D-glucopyranosiduronic acid from Scutellaria baicalensis **Art. 3206.99** >99.0 % [21967-41-9] $C_{21}H_{18}O_{11}$ M_r 446.37	HPLC-DAD with UV-Spectrum	20 mg	130

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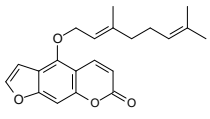
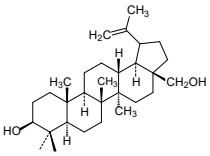
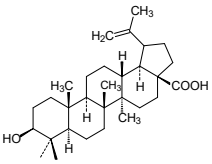
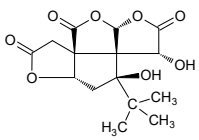
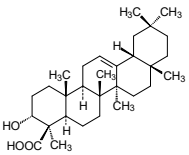
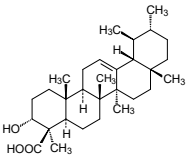
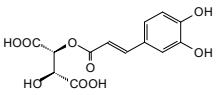
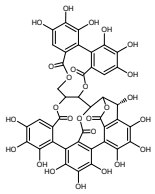
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Bergamottin** 5-Geranoxypsoralen from Oleum bergamottae **Art. 2114.99** >99.0 % [7380-40-7] $C_{21}H_{22}O_4$ M_r 338.42	HPLC-DAD with UV-Spectrum	20 mg 50 mg	110 225
	**Betulin** Lup-20(29)-ene-3,28-diol, Betulinol from Betula pendula **Art. 5142.97** >97.0 % [473-98-3] $C_{30}H_{50}O_2$ M_r 442.73	HPLC-DAD with UV-Spectrum	250 mg	110
	**Betulinic acid** 3ß-Hydroxy-lup-20(29)-en-28-oic acid from Platanus acerifolia **Art. 5144.97** >97.0 % [472-15-1] $C_{30}H_{48}O_3$ M_r 456.71	HPLC-DAD with UV-Spectrum	50 mg	100
	**(-)-Bilobalide** from Ginkgo biloba **Art. 4255.98** >98.0 % [33570-04-6] $C_{15}H_{18}O_8$ M_r 326.30	HPLC-DAD with UV-Spectrum	10 mg 20 mg	110 190
	**α-Boswellic acid** (3α,4β)-3-Hydroxyolean-12-en-23-oic acid from Boswellia serrata **Art. 5155.99** >99.0 % [471-66-9] $C_{30}H_{48}O_3$ M_r 456.73	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	140 240 440
	**β-Boswellic acid** (3α,4β)-3-Hydroxyurs-12-en-23-oic acid from Boswellia serrata **Art. 5150.99** >99.0 % [631-69-6] $C_{30}H_{48}O_3$ M_r 456.73	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	135 205 380
	**Caftaric acid** 2-Caffeoyltartaric acid from Echinacea pallida **Art. 6106.98** >98.0 % [67879-58-7] $C_{13}H_{12}O_9$ M_r 312.24	HPLC-DAD with UV-Spectrum	10 mg 20 mg	225 400
	**Castalagin** from Castanea sativa **Art. 3311.97** >97.0 % [24312-00-3] $C_{41}H_{26}O_{26}$ M_r 934.63	HPLC-DAD with UV-Spectrum	10 mg 20 mg	220 410

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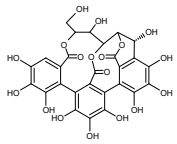
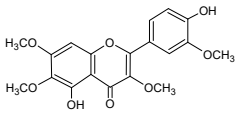
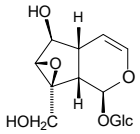
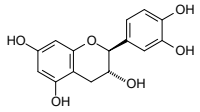
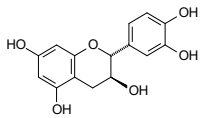
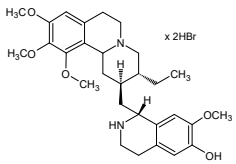
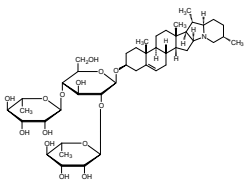
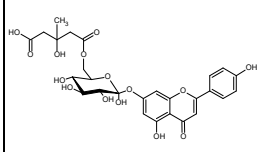
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Castalin** from Castanea sativa **Art. 3310.97** >97.0 % [19086-75-0] $C_{27}H_{20}O_{18}$ M_r 632.43	HPLC-DAD with UV-Spectrum	10 mg 20 mg	220 410
	**Casticin** Vitexicarpin from Vitex agnus castus **Art. 3238.99** >99.0 % [479-91-4] $C_{19}H_{18}O_8$ M_r 374.32	HPLC-DAD with UV-Spectrum	10 mg 20 mg	145 260
	**Catalpol** from Picrorhiza kurrooa **Art. 2109.99** >99.0 % [2415-24-9] $C_{15}H_{22}O_{10}$ M_r 362.33	HPLC-DAD with UV-Spectrum	10 mg 20 mg	140 240
	**(-)-Catechin** (-)-Catechol, 3,3',4',5,7-Pentahydroxyflavan from Acacia catechu **Art. 3303.97** >97.0 % [18829-70-4] $C_{15}H_{14}O_6$ M_r 290.27	HPLC-DAD with UV-Spectrum	10 mg 20 mg	200 335
	**(+)-Catechin** (+)-Catechol, Cianidanol, (+)-Cyanidanol from Acacia catechu **Art. 3304.99** >99.0 % [154-23-4] $C_{15}H_{14}O_6$ M_r 290.27	HPLC-DAD with UV-Spectrum	20 mg 50 mg	110 240
	**Cephaeline dihydrobromide** Desmethylemetin dihydrobromide from Ipecacuanha **Art. 6304.97** >97.0 % [6014-81-9] $C_{28}H_{38}N_2O_4$ x 2HBr M_r 628.43	HPLC-DAD with UV-Spectrum	10 mg 20 mg	110 200
	**α-Chaconine** from Solanum tuberosum **Art. 6208.98** >98.0 % [20562-03-2] $C_{45}H_{73}NO_{14}$ M_r 852.07	HPLC-DAD with UV-Spectrum	5 mg 10 mg	159 281
	**Chamaemeloside** Apigenin-7-[6"-(3-hydroxy-3-methylglutaryl)glucoside] from Anthemis nobilis **Art. 3208.98** >98.0 % [173356-77-9] $C_{27}H_{28}O_{14}$ M_r 576.51	HPLC-DAD with UV-Spectrum	10 mg	220

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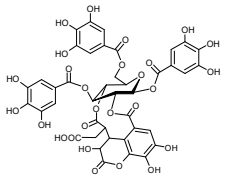
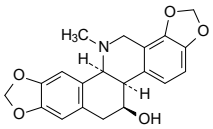
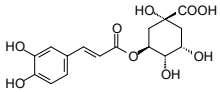
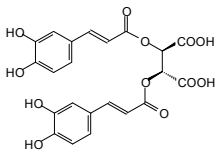
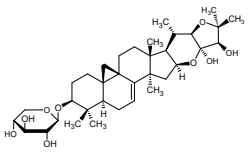
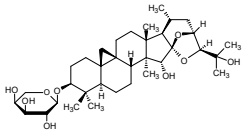
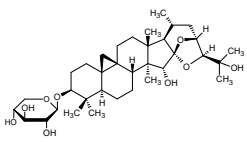
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Chebulinic acid** Eutannin from Terminalia chebula **Art. 3316.97** >97.0 % [18942-26-2] $C_{41}H_{32}O_{27}$ M_r 956.68	HPLC-DAD with UV-Spectrum	10 mg 20 mg	320 600
	**Chelidonine** Stylophorin from Chelidonium majus **Art. 6302.98** >98.0 % [476-32-4] $C_{20}H_{19}NO_5$ M_r 353.37	HPLC-DAD with UV-Spectrum	20 mg 50 mg	130 275
	**Chlorogenic acid** 3-Caffeoylquinic acid from green coffee beans **Art. 6107.99** >99.0 % [327-97-9] $C_{16}H_{18}O_9$ M_r 354.31	HPLC-DAD with UV-Spectrum	20 mg 50 mg	90 120
	**Cichoric acid** Chicoric acid, 2,3-Dicaffeoyltartaric acid from Echinacea pallida **Art. 6105.98** >98.0 % [70831-56-0] $C_{22}H_{18}O_{12}$ M_r 474.38	HPLC-DAD with UV-Spectrum	10 mg 20 mg	185 345
	**Cimiaceroside A** from Cimicifuga racemosa **Art. 3511.97** >97.0 % [210643-83-7] $C_{35}H_{54}O_9$ M_r 618.81	HPLC-DAD with UV-Spectrum	2 mg 5 mg	330 740
	**Cimigenol-3-O-arabinoside** Cimigenol-3-O-α-L-arabinopyranoside, Cimiracemoside C, Cimicifugoside M from Cimicifuga racemosa **Art. 3508.98** >98.0 % [256925-92-5] $C_{35}H_{56}O_9$ M_r 620.83	HPLC-DAD with UV-Spectrum	5 mg 10 mg	238 414
	**Cimigenol-3-O-xyloside** Cimigenol-3-O-β-D-xylopyranoside, Cimigenoside, Cimigoside from Cimicifuga racemosa **Art. 3509.98** >98.0 % [27994-11-2] $C_{35}H_{56}O_9$ M_r 620.83	HPLC-DAD with UV-Spectrum	5 mg 10 mg	175 280
	Cimiracemoside A see Cimiracemoside A			
	Cimiracemoside C see Cimigenol-3-O-arabinoside			

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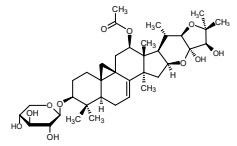
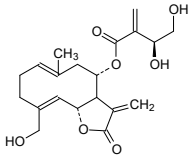
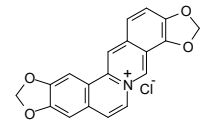
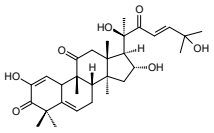
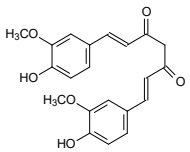
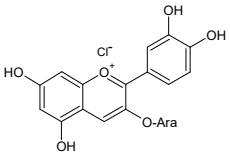
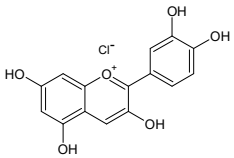
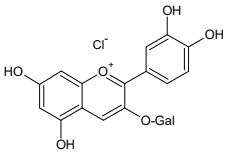
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Cimiracemoside F** Cimiracemoside A from Cimicifuga racemosa **Art. 3510.98** >98.0 % [264875-61-8] $C_{37}H_{56}O_{11}$ M_r 676.38	HPLC-DAD with UV-Spectrum	2 mg 5 mg	295 680
	**Cnicin** from Cnicus benedictus **Art. 2113.98** >98.0 % [24394-09-0] $C_{20}H_{26}O_7$ M_r 378.42	HPLC-DAD with UV-Spectrum	10 mg 20 mg	150 250
	**Coptisine chloride** Bis(methylendioxy)protoberberin chloride from Chelidonium majus **Art. 6301.99** >99.0 % [6020-18-4] or [3486-66-6] (cation) $C_{19}H_{14}NClO_4$ M_r 355.78	HPLC-DAD with UV-Spectrum	10 mg 20 mg	140 240
	**Cucurbitacin I** Elatericin B from Iberis amara **Art. 5138.99** >99.0 % [2222-07-3] $C_{30}H_{42}O_7$ M_r 514.66	HPLC-DAD with UV-Spectrum	5 mg 10 mg	125 190
	**Curcumin** Diferuloylmethane from Curcuma longa **Art. 4320.98** >98.0 % [458-37-7] $C_{21}H_{20}O_6$ M_r 368.39	HPLC-DAD with UV-Spectrum	20 mg	110
	**Cyanidin 3-arabinoside chloride** from Aronia melanocarpa **Art. 5023.95** >95.0 % [57186-11-5] or [111613-04-8] $C_{20}H_{19}ClO_{10}$ M_r 454.82	HPLC-DAD with UV-Spectrum	5 mg 10 mg	163 254
	**Cyanidin chloride** Cyanidol from Rosa centifolia **Art. 5003.97** >97.0 % [528-58-5] $C_{15}H_{11}ClO_6$ M_r 322.70	HPLC-DAD with UV-Spectrum	20 mg	140
	**Cyanidin 3-galactoside chloride** **Ideain chloride** from Vaccinium vitis-idaea **Art. 5022.97** >97.0 % [27661-36-5] $C_{21}H_{21}ClO_{11}$ M_r 484.84	HPLC-DAD with UV-Spectrum	5 mg 10 mg	143 229

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Catalogue of Natural Compounds

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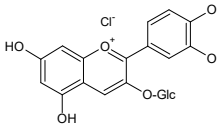
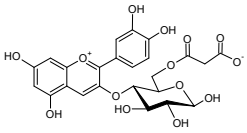
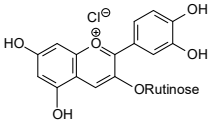
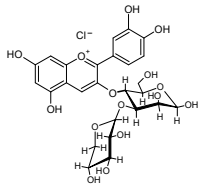
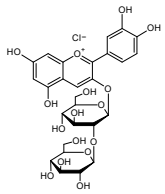
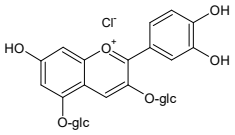
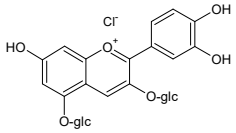
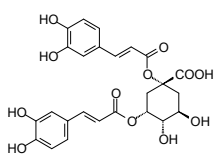
	**Cyanidin 3-glucoside chloride** **Kuromanin chloride**, Asterin from Rubus fruticosus **Art. 5002.97** >97.0 % [7084-24-4] $C_{21}H_{21}ClO_{11}$ M_r 484.84	HPLC-DAD with UV-Spectrum	10 mg 20 mg	126 240
	**Cyanidin 3-(6”-malonylglucoside)** Cyanidin 3-O-(6”-O-malonyl-β-D-glucoside) from Zea mays **Art. 5027.95** >95.0 % [171828-62-9] $C_{24}H_{22}O_{14}$ M_r 534.43	HPLC-DAD with UV-Spectrum	5 mg 10 mg	260 446
	**Cyanidin 3-rutinoside chloride** Antirhinin, Keracyanin from Ribes nigrum **Art. 5004.97** >97.0 % [18719-76-1] $C_{27}H_{31}ClO_{15}$ M_r 630.98	HPLC-DAD with UV-Spectrum	10 mg 20 mg	113 195
	**Cyanidin 3-sambubioside chloride** Sambicyanin chloride from Hibiscus sabdariffa **Art. 5029.97** >97.0 % [33012-73-6] $C_{26}H_{29}ClO_{15}$ M_r 616.95	HPLC-DAD with UV-Spectrum	5 mg 10 mg	190 310
	**Cyanidin 3-sophoroside chloride** fromRubus idaeus **Art. 5031.97** >97.0 % [18376-31-3] or [38820-68-7] $C_{27}H_{31}ClO_{16}$ M_r 646.96	HPLC-DAD with UV-Spectrum	5 mg 10 mg	262 395
	**Cyanin chloride** Cyanidin 3,5-diglucoside chloride from Rosa centifolia **Art. 5001.98** >98.0 % [2611-67-8] $C_{27}H_{31}ClO_{16}$ M_r 646.96	HPLC-DAD with UV-Spectrum	20 mg	155
	**Cyanin chloride** **Cyanidin 3,5-diglucoside chloride** from Rosa centifolia **Art. 5001.95** >95.0 % [2611-67-8] $C_{27}H_{31}ClO_{16}$ M_r 646.96	HPLC-DAD with UV-Spectrum	100 mg	220
	**Cynarin** 1,3-Dicaffeoylquinic acid, 1,5 Dicaffeylquinic acid from Cynara scolymus **Art. 6103.RS** >99.0 % [1182-34-9]; [30964-13-7]; [1884-23-7] $C_{25}H_{24}O_{12}$ M_r 516.46	HPLC-DAD, TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	10 mg 20 mg	242 395

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Catalogue of Natural Compounds

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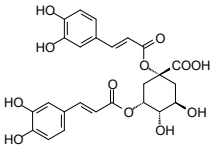
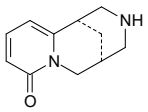
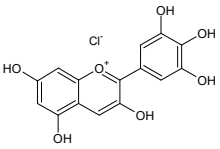
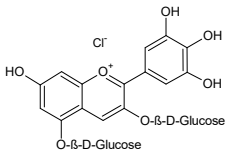
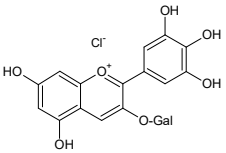
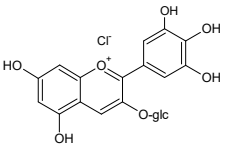
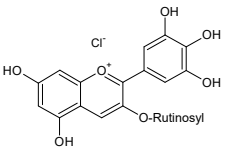
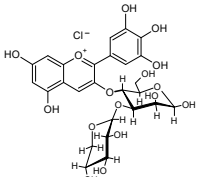
	**Cynarin** 1,3-Dicaffeoylquinic acid, 1,5 Dicaffeylquinic acid from Cynara scolymus **Art. 6103.99** >99.0 % [1182-34-9]; [30964-13-7]; [1884-23-7] $C_{25}H_{24}O_{12}$ M_r 516.46	HPLC-DAD with UV-Spectrum	10 mg 20 mg	120 230
	**Cytisine** Laburnin from Laburnum anagyroides **Art. 6204.98** >98.0 % [485-35-8] $C_{11}H_{14}N_2O$ M_r 190.25	HPLC-DAD with UV-Spectrum	10 mg 20 mg	95 140
	**Delphinidin chloride** from Vaccinium myrtillus or Vitis vinifera **Art. 5015.97** >97.0 % [528-53-0] $C_{15}H_{11}ClO_7$ M_r 338.70	HPLC-DAD with UV-Spectrum	10 mg 20 mg	120 210
	**Delphinidin 3,5-diglucoside chloride** Delphin chloride from Punica granatum **Art. 5030.97** >97.0 % [17670-06-3] $C_{27}H_{31}ClO_{17}$ M_r 662.99	HPLC-DAD with UV-Spectrum	5 mg 10 mg	143 237
	**Delphinidin 3-galactoside chloride** Empetrin from Vaccinium myrtillus **Art. 5017.95** >95.0 % [28500-00-7] $C_{21}H_{21}ClO_{12}$ M_r 500.84	HPLC-DAD with UV-Spectrum	5 mg 10 mg	150 255
	**Delphinidin 3-glucoside chloride** Myrtillin from Vaccinium myrtillus or Vitis vinifera **Art. 5018.95** >95.0 % [6906-38-3] $C_{21}H_{21}ClO_{12}$ M_r 500.84	HPLC-DAD with UV-Spectrum	10 mg 20 mg	152 285
	**Delphinidin 3-rutinoside chloride** Delphinidin 3-glucorhamnoside, Tulipanin from Ribes nigrum **Art. 5009.97** >97.0 % [15674-58-5] $C_{27}H_{31}ClO_{16}$ M_r 646.98	HPLC-DAD with UV-Spectrum	10 mg 20 mg	175 270
	**Delphinidin 3-sambubioside chloride** from Hibiscus sabdariffa **Art. 5028.95** >95.0 % [53158-73-9] $C_{26}H_{29}ClO_{16}$ M_r 632.95	HPLC-DAD with UV-Spectrum	5 mg 10 mg	220 368

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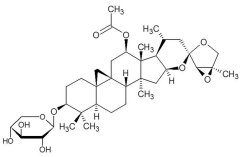
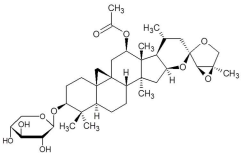
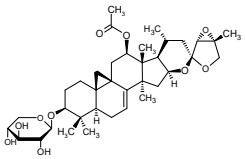
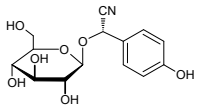
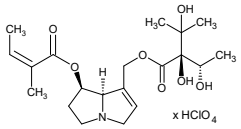
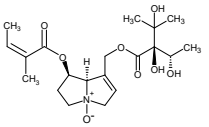
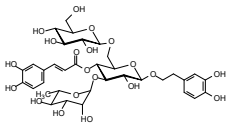
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**27-Deoxyactein** 23-*epi*-26-Deoxyactein from Cimicifuga racemosa **Art. 3505.RS** >98.0 % [264624-38-6] orr [501938-01-8] $C_{37}H_{56}O_{10}$ M_r 660.84	HPLC-DAD (2 methods), TLC, IR, MS, hr-MS, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), Melting point	10 mg 50 mg	485 2.000
	**27-Deoxyactein** 23-*epi*-26-Deoxyactein from Cimicifuga racemosa **Art. 3505.98** >98.0 % [264624-38-6] orr [501938-01-8] $C_{37}H_{56}O_{10}$ M_r 660.84	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	200 320 560
	**26-Deoxycimicifugoside** 7,8-Didehydro-27-deoxyactein common impurity of 27-Deoxyactein, but with a different chromophore from Cimicifuga racemosa **Art. 3507.99** >99.0 % [214146-75-5] $C_{37}H_{54}O_{10}$ M_r 658.82	HPLC-DAD with UV-Spectrum ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), MS, hr-MS, Melting point	5 mg 10 mg	495 935
	**Dhurrin** (S)-4-Hydroxymandelonitrile-β-D-glucoside from Sorghum bicolor **Art. 7001.98** >98.0 % [499-20-7] $C_{14}H_{17}NO_7$ M_r 311.29	HPLC-DAD with UV-Spectrum	5 mg 10 mg	185 310
	(+)-Dihydroquercetin see (+)-Taxifolin			
	**Echimidine perchlorate** 7-O-Angelyl-9-O-echimidinylretronecine perchlorate from Echium plantagineum **Art.-Nr. 6332.95** >95.0 % [520-68-3] (Echimidine) $C_{20}H_{31}NO_7$ x $HClO_4$ M_r 497.92	HPLC-DAD with UV-Spectrum	5 mg 10 mg	210 370
	**Echimidine N-oxide** 7-O-Angelyl-9-O-echimidinylretronecine N-oxide from Echium plantagineum **Art. 6279.97** >97.0 % [41093-89-4] $C_{20}H_{31}NO_8$ M_r 413.46	HPLC-DAD with UV-Spectrum	5 mg 10 mg	210 370
	**Echinacoside** from Echinacea pallida **Art. 6104.98** >98.0 % [82854-37-3] $C_{35}H_{46}O_{20}$ M_r 786.70	HPLC-DAD with UV-Spectrum	10 mg 20 mg	128 185

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Catalogue of Natural Compounds

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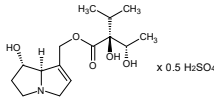
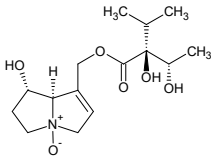
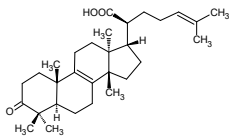
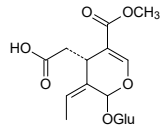
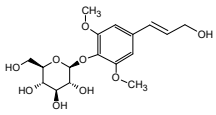
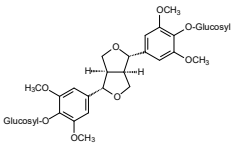
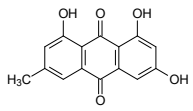
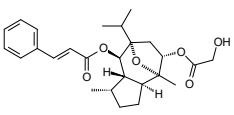
	**Echinatine sulfate** from Cynoglossum officinale **Art 6326.97** >97.0 % [480-83-1] $C_{15}H_{25}NO_5$ x 0.5 H_2SO_4 M_r 348.40	HPLC-DAD with UV-Spectrum	5 mg 10 mg	207 375
	**Echinatine N-oxide** Cynoglossin N-oxide from Cynoglossum officinale **Art. 6296.95** >95.0 % [20267-93-0] $C_{15}H_{25}NO_6$ M_r 315.36	HPLC-DAD with UV-Spectrum	5 mg 10 mg	207 375
	**β-Elemonic acid** Elemadienonic acid from Boswellia serrata **Art. 5157.98** >98.0 % [28282-25-9] $C_{30}H_{46}O_3$ M_r 454.70	HPLC-DAD with UV-Spectrum	5 mg 10 mg	132 250
	**Elenolic acid 2-O-glucoside** Oleoside 11-methylester from Olea europaea **Art. 2131.98** >98.0 % [60539-23-3] $C_{17}H_{24}O_{11}$ M_r 404.38	HPLC-DAD with UV-Spectrum	20 mg	190
	**Eleutheroside B** Syringin, Syringoside from Syringa vulgaris **Art. 3203.99** >99.0 % [118-34-3] $C_{17}H_{24}O_9$ M_r 372.36	HPLC-DAD with UV-Spectrum	5 mg 10 mg	130 165
	**Eleutheroside E** Syringaresinol-4',4'-O-bis-β-D-glucoside from Eleutherococcus **Art. 3202.96** >96.0 % [39432-56-9] $C_{34}H_{46}O_{18}$ M_r 742.71	HPLC-DAD with UV-Spectrum	5 mg 10 mg	150 235
	**Emodin** **Frangula-Emodin**, Rheum-Emodin, Archin from Rhamnus frangula **Art. 3266.99** >99.0 % [518-82-1] $C_{15}H_{10}O_5$ M_r 270.23	HPLC-DAD with UV-Spectrum	20 mg 50 mg	111 220
	**Englerin A** from Phyllanthus engleri **Art. 1901.96** >96.0 % [1094250-15-3] $C_{26}H_{34}O_6$ M_r 442.56	HPLC-DAD with UV-Spectrum	10 mg	280

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Catalogue of Natural Compounds

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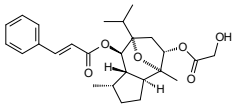
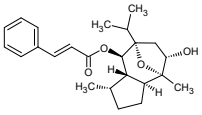
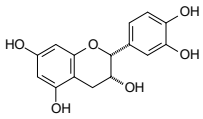
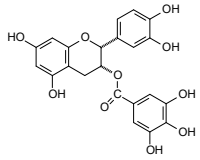
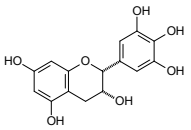
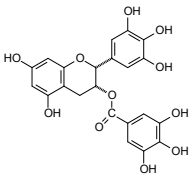
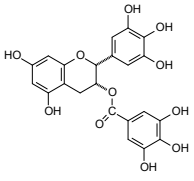
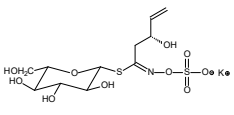
	**Englerin A „high purity“** from Phyllanthus engleri **Art. 1901.99** [1094250-15-3] $C_{26}H_{34}O_6$ M_r 442.56 HPLC >99 % at 215 nm, 254 nm, 280 nm filtered through a sterile filter 0.2 µm stored under Argon	HPLC-DAD with UV-Spectrum	10 mg	350
	**Englerin B** from Phyllanthus engleri **Art. 1902.98** >98.0 % [1094250-13-1] $C_{24}H_{32}O_4$ M_r 384.51	HPLC-DAD with UV-Spectrum	5 mg	325
	**(-)-Epicatechin** EC from Acacia catechu **Art. 3305.99** >99.0 % [490-46-0] $C_{15}H_{14}O_6$ M_r 290.27	HPLC-DAD with UV-Spectrum	20 mg 50 mg	120 240
	**(-)-Epicatechin 3-gallate** ECG from Camellia sinensis **Art. 3307.99** >99.0 % [1257-08-5] $C_{22}H_{18}O_{10}$ M_r 442.38	HPLC-DAD with UV-Spectrum	20 mg	120
	**(-)-Epigallocatechin** EGC from Camellia sinensis **Art. 3306.99** >99.0 % [970-74-1] $C_{15}H_{14}O_7$ M_r 306.27	HPLC-DAD with UV-Spectrum	20 mg	125
	**(-)-Epigallocatechin 3-gallate** EGCG from Camellia sinensis **Art. 3308.99** >99.0 % [989-51-5] $C_{22}H_{18}O_{11}$ M_r 458.37	HPLC-DAD with UV-Spectrum	20 mg	95
	**(-)-Epigallocatechin 3-gallate** EGCG from Camellia sinensis **Art. 3308.96** >96.0 % [989-51-5] $C_{22}H_{18}O_{11}$ M_r 458.37	HPLC-DAD with UV-Spectrum	100 mg	150
	**Epiprogoitrin** (2S)-2-Hydroxybut-3-enylglucosinolate K-salt from Crambe abyssinica **Art. 3423.97** >97.0 % [21087-74-1] or [19237-18-4] (free acid) $C_{11}H_{18}KNO_{10}S_2$ M_r 427.48	HPLC-DAD with UV-Spectrum	10 mg 20 mg	147 268

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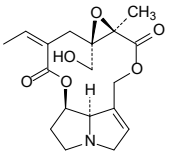
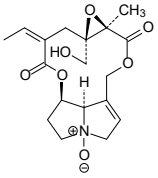
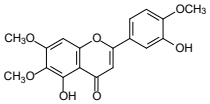
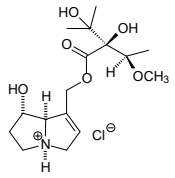
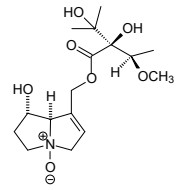
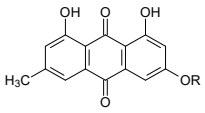
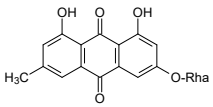
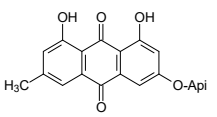
	**(Z)-Erucifolin** from Senecio jacobea **Art. 6218.97** >97.0 % [40158-95-0] $C_{18}H_{23}NO_6$ M_r 349.38	HPLC-DAD with UV-Spectrum	5 mg 10 mg	175 320
	**(Z)-Erucifolin N-oxide** from Senecio jacobea **Art. 6221.97** >97.0 % [123864-94-8] $C_{18}H_{23}NO_7$ M_r 365.38	HPLC-DAD with UV-Spectrum	5 mg 10 mg	175 320
	**Eupatorin** 3',5-Dihydroxy-4',6,7-trimethoxyflavone from Orthosiphon stamineus **Art. 3283.99** >99.0 % [855-96-9] $C_{18}H_{16}O_7$ M_r 344.32	HPLC-DAD with UV-Spectrum	20 mg	125
	**Europine hydrochloride** from Heliotropium **Art. 6214.97** >97.0 % [570-19-4] (free base) $C_{16}H_{28}ClNO_6$ M_r 365.84	HPLC-DAD with UV-Spectrum	10 mg	229
	**Europine N-oxide** from Heliotropium **Art. 6215.97** >97.0 % [65582-53-8] $C_{16}H_{27}NO_7$ M_r 345.39	HPLC-DAD with UV-Spectrum	10 mg	229
 R = rhamnosyl or R = apiosyl	**Frangulin** Mixture of A and B approx. 1:4 from Rhamnus frangula **Art. 3270.97** >97.0 % [60529-33-1]	HPLC-DAD with UV-Spectrum	100 mg	170
	**Frangulin A** Emodin rhamnoside, Rhamnoxanthin from Rhamnus frangula **Art. 3268.98** >98.0 % [521-62-0] $C_{21}H_{20}O_9$ M_r 416.38	HPLC-DAD with UV-Spectrum	10 mg 20 mg	110 190
	**Frangulin B** 6-O-(Apiofuranosyl)-1,6,8-trihydroxy-3-methyl-anthraquinone from Rhamnus frangula **Art. 3269.98** >98.0 % [14101-04-3] $C_{20}H_{18}O_9$ M_r 402.36	HPLC-DAD with UV-Spectrum	10 mg 20 mg	140 250

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Catalogue of Natural Compounds

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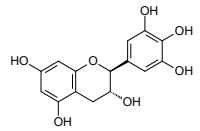
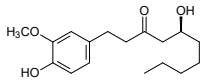
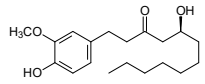
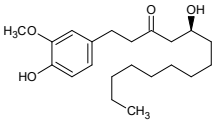
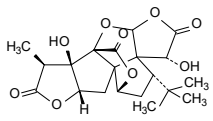
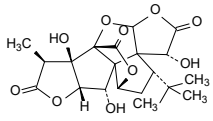
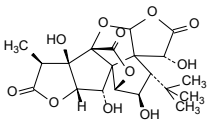
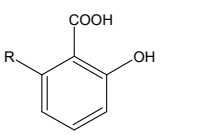
	**(-)-Gallocatechin** Gallocatechol, GC from Camellia sinensis **Art. 3309.99** >99.0 % [3371-27-5] $C_{15}H_{14}O_7$ M_r 306.27	HPLC-DAD with UV-Spectrum	10 mg 20 mg	145 230
	**[6]-Gingerol** from Zingiber officinale **Art. 4301.98** >98.0 % [23513-14-6] $C_{17}H_{26}O_4$ M_r 294.39	HPLC-DAD with UV-Spectrum	10 mg 20 mg	138 265
	**[8]-Gingerol** from Zingiber officinale **Art. 4302.98** >98.0 % [23513-08-8] $C_{19}H_{30}O_4$ M_r 322.44	HPLC-DAD with UV-Spectrum	10 mg 20 mg	150 283
	**[10]-Gingerol** from Zingiber officinale **Art. 4303.96** >96.0 % [23513-15-7] $C_{21}H_{34}O_4$ M_r 350.50	HPLC-DAD with UV-Spektrum	10 mg 20 mg	152 288
	**Ginkgolide A** from Ginkgo biloba **Art. 4251.98** >98.0 % [15291-75-5] $C_{20}H_{24}O_9$ M_r 408.41	HPLC-DAD with UV-Spectrum	10 mg 20 mg	100 170
	**Ginkgolide B** 1-Hydroxyginkgolide A from Ginkgo biloba **Art. 4250.99** >99.0 % [15291-77-7] $C_{20}H_{24}O_{10}$ M_r 424.40	HPLC-DAD with UV-Spectrum	10 mg 20 mg	102 178
	**Ginkgolide C** 1,7-Dihydroxyginkgolide A from Ginkgo biloba **Art. 4252.97** >97.0 % [15291-76-6] $C_{20}H_{24}O_{11}$ M_r 440.40	HPLC-DAD with UV-Spectrum	10 mg 20 mg	126 210
 R = $C_{13}H_{27}$, $C_{15}H_{29}$, $C_{17}H_{33}$	**Ginkgolic acids RN** from Ginkgo biloba **Art. 4110.90** >90.0 % [-] $C_{20}H_{32}O_3$ / $C_{22}H_{34}O_3$ / $C_{24}H_{38}O_3$ M_r 320.5 / 346.5 / 374.6	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	168 240 450

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Catalogue of Natural Compounds

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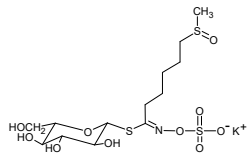
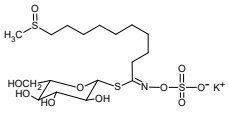
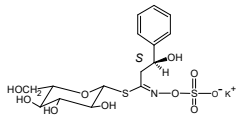
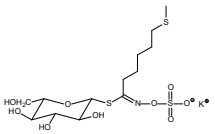
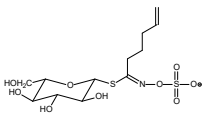
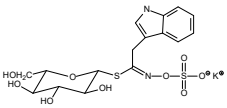
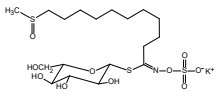
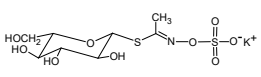
	**Glucoalyssin** 5-(Methylsufinyl)pentylglucosinolate K-salt from Alyssum argenteum **Art. 3428.97** >97.0 % [499-37-6] (free acid) $C_{13}H_{24}KNO_{10}S_3$ M_r 489.63	HPLC-DAD with UV-Spectrum	5 mg 10 mg	235 420
	**Glucoarabin** 9-(Methylsufinyl)nonylglucosinolate K-salt from Camelina sativa **Art. 3430.97** >97.0 % [67920-64-3] (free acid) $C_{17}H_{32}KNO_{10}S_3$ M_r 545.73	HPLC-DAD with UV-Spectrum	5 mg 10 mg	160 300
	**Glucobarbarin** 2(S)-Hydroxy-2-phenylethylglucosinolate K-salt from Barbara variegata **Art. 3422.97** >97.0 % [21087-78-5] (salt) $C_{15}H_{20}KNO_{10}S_2$ M_r 477.55	HPLC-DAD with UV-Spectrum	10 mg	135
	**Glucoberteroin** 5-Methylthiopentylglucosinolate K-salt from Berteroa incana **Art. 3412.97** >97.0 % [245550-65-6] or [29611-01-6] (free acid) $C_{13}H_{24}KNO_9S_3$ M_r 473.64	HPLC-DAD with UV-Spectrum	5 mg 10 mg	134 225
	**Glucobrassicanapin** 4-Pentenylglucosinolate K-salt from Brassica napus **Art. 3419.98** >98.0 % [245550-58-7] or [19041-10-2] (free acid) $C_{12}H_{20}KNO_9S_2$ M_r 443.52	HPLC-DAD with UV-Spectrum	10 mg 20 mg	160 295
	**Glucobrassicin** 3-Indolylmethylglucosinolate K-salt from Brassica oleracea **Art. 3407.97** >97.0 % [143231-38-3] or [4356-52-9] (free acid) $C_{16}H_{19}KN_2O_9S_2$ M_r 486.56	HPLC-DAD with UV-Spectrum	10 mg 20 mg	178 325
	**Glucocamelinin** 10-(Methylsufinyl)decylglucosinolate K-salt from Camelina sativa **Art. 3431.96** >96.0 % [67884-10-0] (free acid) $C_{18}H_{34}KNO_{10}S_3$ M_r 559.76	HPLC-DAD with UV-Spectrum	5 mg 10 mg	135 220
	**Glucocapparin** Methylglucosinolate K-salt from Cleome spinosa **Art. 3436.98** >98.0 % [15592-33-3] or [497-77-8] (free acid) $C_8H_{14}KNO_9S_2$ M_r 371.42	HPLC-DAD with UV-Spectrum	10 mg	190

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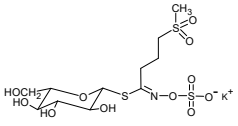
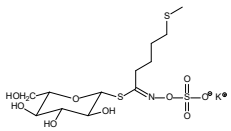
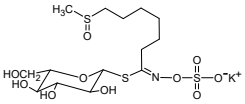
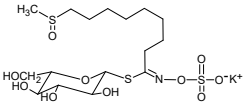
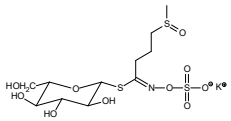
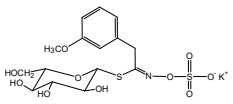
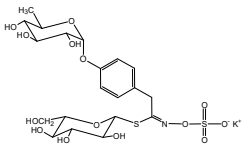
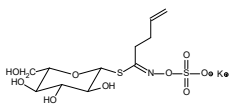
	**Glucocheirolin** 3-(Methylsulfonyl)propylglucosinolate K-salt from Cheiranthus cheiri **Art. 3429.97** >97.0 % [15592-36-6] (free acid) $C_{11}H_{20}KNO_{11}S_3$ M_r 477.57	HPLC-DAD with UV-Spectrum	10 mg	152
	**Glucoerucin** 4-Methylthiobutylglucosinolate K-salt from Eruca sativa **Art. 3411.97** >97.0 % [15592-37-7] or [21973-56-8] (free acid) $C_{12}H_{22}KNO_9S_3$ M_r 459.61	HPLC-DAD with UV-Spectrum	10 mg 20 mg	150 289
	**Glucohesperin** 6-(Methylsulfinyl)hexylglucosinolate K-salt from Hesperis matronalis **Art. 3439.95** >95.0 % [33049-17-1] (free acid) $C_{14}H_{26}KNO_{10}S_3$ M_r 503.68	HPLC-DAD with UV-Spectrum	5 mg 10 mg	250 430
	**Glucohirsutin** 8-(Methylsufinyl)octylglucosinolate K-salt from Nasturtium officinale **Art. 3438.97** >97.0 % [21973-60-4] (free acid) $C_{16}H_{30}KNO_{10}S_3$ M_r 531.70	HPLC-DAD with UV-Spectrum	5 mg 10 mg	255 440
	**Glucoiberin** 3-(Methylsulfinyl)propyglucosinolate K-salt from Iberis amara **Art. 3413.99** >99.0 % [15592-34-4] or [554-88-1] (free acid) $C_{11}H_{20}KNO_{10}S_3$ M_r 461.56	HPLC-DAD with UV-Spectrum	10 mg 20 mg	132 225
	**Glucolimnanthin** m-Methoxyglucotropaeolin from Limnanthes douglasii **Art. 3440.97** >97.0 % [111810-95-8] $C_{15}H_{20}KNO_{10}S_2$ M_r 477.55	HPLC-DAD with UV-Spectrum	10 mg	190
	**Glucomoringin** 4-(α-Rhamnosyloxy)benzylglucosinolate K-salt from Moringa oleifera **Art. 3437.97** >97.0 % [316165-49-8] $C_{20}H_{28}KNO_{14}S_2$ M_r 609.66	HPLC-DAD with UV-Spectrum	10 mg	188
	**Gluconapin** 3-Butenylglucosinolate K-salt from Brassica napus **Art. 3417.97** >97.0 % [245550-57-6] or [19041-09-9] (free acid) $C_{11}H_{18}KNO_9S_2$ M_r 429.50	HPLC-DAD with UV-Spectrum	10 mg 20 mg	136 242

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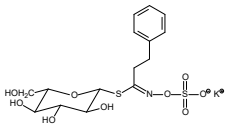
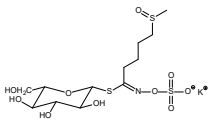
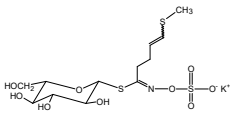
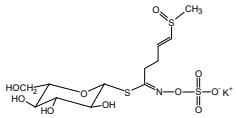
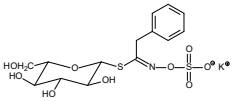
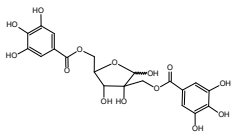
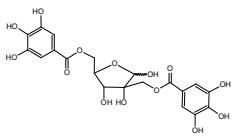
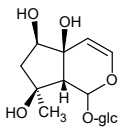
	**Gluconasturtiin** Phenylethylglucosinolate K-salt from Nasturtium officinale **Art. 3405.97** >97.0 % [18425-76-8] or [499-30-9] (free acid) $C_{15}H_{20}KNO_9S_2$ M_r 461.54	HPLC-DAD with UV-Spectrum	10 mg 20 mg	150 256
	**Glucoraphanin** 3-(methylsufinyl)butylglucosinolate K-salt from Brassica oleracea **Art. 3421.97** >97.0 % [21414-41-5] (free acid) $C_{12}H_{22}KNO_{10}S_3$ M_r 475.66	HPLC-DAD with UV-Spectrum	10 mg 20 mg	143 240
	**Glucoraphasatin E/Z-mixture** 4-(Methylsufanyl)-3-butenylglucosinolate K-salt from Raphanus sativus **Art. 3426.97** >97.0 % [245550-64-5] or [28463-23-2] (free acid) $C_{12}H_{20}KNO_9S_3$ M_r 457.58	HPLC-DAD with UV-Spectrum	10 mg	210
	**Glucoraphenin** 4-(Methylsufinyl)-3-butenylglucosinolate K-salt from Raphanus sativus **Art. 3425.97** >97.0 % [108844-81-1] or [28463-24-3] (free acid) $C_{12}H_{20}KNO_{10}S_3$ M_r 473.58	HPLC-DAD with UV-Spectrum	10 mg 20 mg	130 215
	**Glucotropaeolin** Benzylglucosinolate K-salt from Tropaeolum majus **Art. 3403.99** >99.0 % [5115-71-9] or [499-26-3] (free acid) $C_{14}H_{18}KNO_9S_2$ M_r 447.52	HPLC-DAD with UV-Spectrum	20 mg 50 mg	130 260
	**Hamamelitannin** from Hamamelis virginiana **Art. 3315.99** >99.0 % [469-32-9] $C_{20}H_{20}O_{14}$ M_r 484.37	HPLC-DAD with UV-Spectrum	10 mg	105
	**Hamamelitannin** from Hamamelis virginiana **Art. 3315.96** >96.0 % [469-32-9] $C_{20}H_{20}O_{14}$ M_r 484.37	HPLC-DAD with UV-Spectrum	50 mg 100 mg	165 270
	**Harpagide** from Harpagophytum procumbens **Art. 2120.99** >99.0 % [6926-08-5] $C_{15}H_{24}O_{10}$ M_r 364.34	HPLC-DAD with UV-Spectrum	10 mg 20 mg	135 255

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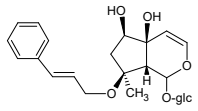
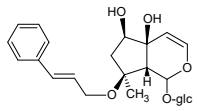
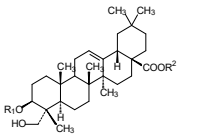
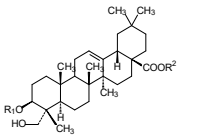
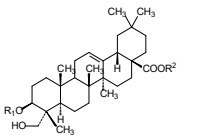
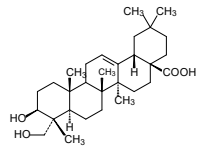
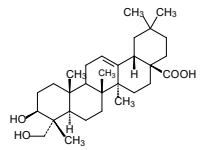
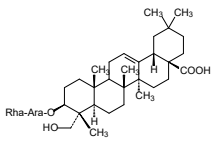
	**Harpagoside** 8-O-Cinnamoylharpagide from Harpagophytum procumbens **Art. 2121.RS** >99.0 % [19210-12-9] $C_{24}H_{30}O_{11}$ M_r 494.48	HPLC-DAD, TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	20 mg 50 mg	295 570
	**Harpagoside** 8-O-Cinnamoylharpagide from Harpagophytum procumbens **Art. 2121.99** >99.0 % [19210-12-9] $C_{24}H_{30}O_{11}$ M_r 494.48	HPLC-DAD with UV-Spectrum	10 mg 20 mg	90 130
 R1 = Rha-Ara R2 = -Glc-Glc-Rha	**Hederacoside C** Hederasaponin C from Hedera helix **Art. 5133.RS** >99.0 % [14216-03-6] or [27013-76-9] $C_{59}H_{96}O_{26}$ M_r 1221.39	HPLC-DAD, TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	20 mg 50 mg	220 395
 R1 = Rha-Ara R2 = -Glc-Glc-Rha	**Hederacoside C** Hederasaponin C from Hedera helix **Art. 5133.99** >99.0 % [14216-03-6] or [27013-76-9] $C_{59}H_{96}O_{26}$ M_r 1221.39	HPLC-DAD with UV-Spectrum	20 mg 50 mg 100 mg	110 240 450
 R1 = Rha-Ara R2 = -Glc-Glc-Rha	**Hederacoside C** Hederasaponin C from Hedera helix **Art. 5133.95** >95.0 % [14216-03-6] or [27013-76-9] $C_{59}H_{96}O_{26}$ M_r 1221.39	HPLC-DAD with UV-Spectrum	50 mg 100 mg	140 235
	**Hederagenin** from Hedera helix **Art. 5135.98** >98.0 % [465-99-6] $C_{30}H_{48}O_4$ M_r 472.73	HPLC-DAD with UV-Spectrum	20 mg 50 mg	115 230
	**Hederagenin** from Hedera helix **Art. 5135.90** >90.0 % [465-99-6] $C_{30}H_{48}O_4$ M_r 472.73	HPLC-DAD with UV-Spectrum	100 mg	200
	**α-Hederin** from Hedera helix **Art. 5136.99** >99.0 % [27013-91-8] $C_{41}H_{66}O_{12}$ M_r 750.97	HPLC-DAD with UV-Spectrum	20 mg	120

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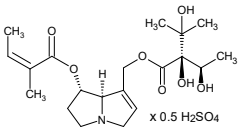
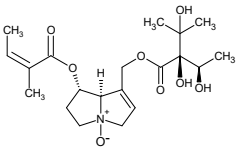
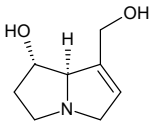
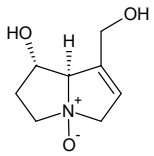
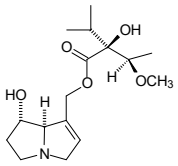
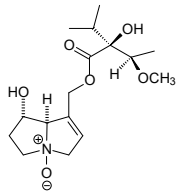
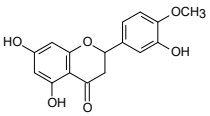
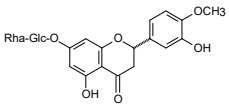
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Heliosupine sulfate** Cynoglossophine sulfate from Cynoglossum officinale **Art.-Nr. 6331.95** >95.0 % [32728-78-2] (Heliosupine) $C_{20}H_{31}NO_7$ x 0.5 H_2SO_4 M_r 446.50	HPLC-DAD with UV-Spectrum	5 mg 10 mg	195 355
	**Heliosupine N-oxide** Cynoglossophine N-oxide from Cynoglossum officinale **Art. 6298.95** >95.0 % [31701-88-9] $C_{20}H_{31}NO_8$ M_r 413.46	HPLC-DAD with UV-Spectrum	5 mg 10 mg	195 355
	**Heliotridine** from Heliotropium europaeum **Art. 6286.97** >97.0 % [520-63-8] $C_8H_{13}NO_2$ M_r 155.19	HPLC-DAD with UV-Spectrum	5 mg 10 mg	260 485
	**Heliotridine N-oxide** from Heliotropium europaeum **Art. 6287.97** >97.0 % [-] $C_8H_{13}NO_3$ M_r 171.19	HPLC-DAD with UV-Spectrum	5 mg 10 mg	280 535
	**Heliotrine** from Heliotropium **Art. 6212.98** >98.0 % [303-33-3] $C_{16}H_{27}NO_5$ M_r 313.39	HPLC-DAD with UV-Spectrum	10 mg 20 mg	130 200
	**Heliotrine N-oxide** from Heliotropium **Art. 6213.97** >97.0 % [6209-65-0] $C_{16}H_{27}NO_6$ M_r 329.39	HPLC-DAD with UV-Spectrum	10 mg 20 mg	164 252
	**Hesperetin** Cyanidanon 4'-methylether synthetic **Art. 3320.98** >98.0 % [69097-99-0] $C_{16}H_{14}O_6$ M_r 302.28	HPLC-DAD with UV-Spectrum	20 mg 50 mg	115 225
	**Hesperidin** Hesperetin 7-rutinoside, Cirantin from Citrus sinensis **Art. 3321.98** >98.0 % [520-26-3] $C_{28}H_{34}O_{15}$ M_r 610.57	HPLC-DAD with UV-Spectrum	20 mg 50 mg	115 230
	Homoglucocamelinin see 11-(Methylsulfinyl)undecylglucosinolate			

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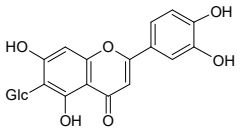
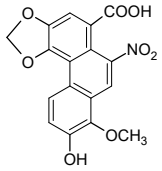
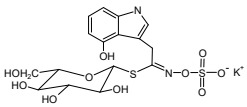
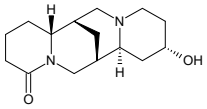
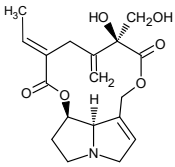
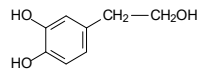
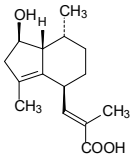
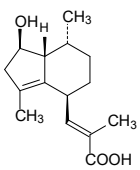
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Homoorientin** 6-C-Glucoluteolin, **Isoorientin** from Adonis vernalis **Art. 3277.99** >99.0 % [4261-42-1] $C_{21}H_{20}O_{11}$ M_r 448.38	HPLC-DAD with UV-Spectrum	10 mg	135
	**7-Hydroxyaristolochic acid I** 7-Hydroxyaristolochic acid A from Aristolochia clematitis **Art. 4616.98** >98.0 % [79185-75-4] $C_{17}H_{11}NO_8$ M_r 357.27	HPLC-DAD with UV-Spectrum	5 mg 10 mg	190 342
	**4-Hydroxyglucobrassicin** 4-Hydroxy-3-indolylmethylglucosinolate K-salt from Brassica oleracea **Art. 3427.95** >95.0 % [83327-20-2] (free acid) $C_{16}H_{19}KN_2O_{10}S_2$ M_r 502.56	HPLC-DAD with UV-Spectrum	5 mg	280
	**13-Hydroxylupanine** 13α-Hydroxy-2-sparteinone from Lupinus angustifolius **Art. 6321.95** >95.0 % [15358-48-2] $C_{15}H_{24}N_2O_2$ M_r 264.37	HPLC-DAD with UV-Spectrum	5 mg	265
	**18-Hydroxyspartioidine** (15E)-Riddelliine from Senecio riddellii **Art. 6318.95** >95.0 % [-] $C_{18}H_{23}NO_6$ M_r 349.38	HPLC-DAD with UV-Spectrum	5 mg	275
	**Hydroxytyrosol** 2-(3,4-Dihydroxyphenyl)ethanol from Olea europaea **Art. 4440.98** >98.0 % [10597-60-1] $C_8H_{10}O_3$ M_r 154.17	HPLC-DAD with UV-Spectrum	25 mg 50 mg	120 195
	**Hydroxyvalerenic acid** from Valeriana officinalis **Art. 4401.RS** >99.0 % [1619-16-5] $C_{15}H_{22}O_3$ M_r 250.34	HPLC-DAD (2 methods), TLC, UV, IR, MS, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), Elemental analysis, Melting point	25 mg 50 mg 100 mg	276 445 745
	**Hydroxyvalerenic acid** from Valeriana officinalis **Art. 4401.99** >99.0 % [1619-16-5] $C_{15}H_{22}O_3$ M_r 250.34	HPLC-DAD with UV-Spectrum	10 mg 25 mg 50 mg	105 189 325

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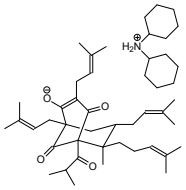
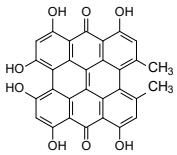
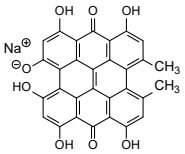
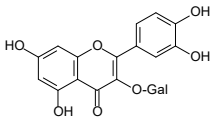
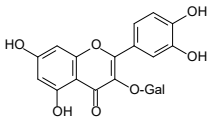
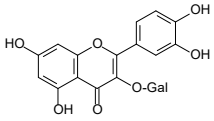
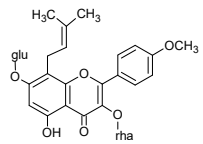
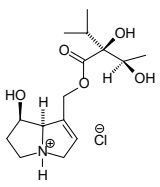
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Hyperforin / Adhyperforin-Dicyclohexylammonium salt (4:1)** natural mixture from Hypericum perforatum **Art. 4213.95** >95.0 % [238074-03-8] $C_{35}H_{51}O_4 \times C_{12}H_{24}N$ M_r 718.11	HPLC-DAD with UV-Spectrum	5 mg 10 mg	180 330
	**Hypericin** from Hypericum perforatum **Art. 3720.98** >98.0 % [548-04-9] $C_{30}H_{16}O_8$ M_r 504.45	HPLC-DAD with UV-Spectrum	5 mg 10 mg	170 240
	**Hypericin Sodium salt** from Hypericum perforatum **Art. 3721.98** >98.0 % [-] $C_{30}H_{15}O_8Na$ M_r 526.43	HPLC-DAD with UV-Spectrum	5 mg 10 mg	195 317
	**Hyperoside** Hyperin, Quercetin 3-galactoside from Hypericum perforatum **Art. 3252.RS** >99.0 % [482-36-0] $C_{21}H_{20}O_{12}$ M_r 464.38	HPLC-DAD (2 methods), TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	20 mg 50 mg 100 mg	205 380 630
	**Hyperoside** Hyperin, Quercetin 3-galactoside from Hypericum perforatum **Art. 3252.99** >99.0 % [482-36-0] $C_{21}H_{20}O_{12}$ M_r 464.38	HPLC-DAD with UV-Spectrum	20 mg 50 mg	115 255
	**Hyperoside** Hyperin, Quercetin 3-galactoside from Hypericum perforatum **Art. 3252.97** >97.0 % [482-36-0] $C_{21}H_{20}O_{12}$ M_r 464.38	HPLC-DAD with UV-Spectrum	100 mg	195
	**Icariin** Ieariline from Epimedium brevicornum **Art. 3259.99** >99.0 % [489-32-7] $C_{33}H_{40}O_{15}$ M_r 676.65	HPLC-DAD with UV-Spectrum	10 mg 20 mg	122 230
	**Indicine hydrochloride** from Heliotropium indicum **Art. 6216.97** >97.0 % [1195140-94-3] $C_{15}H_{26}ClNO_5$ M_r 335.83	HPLC-DAD with UV-Spectrum	10 mg 20 mg	208 360

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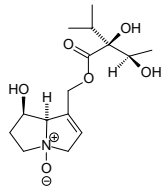
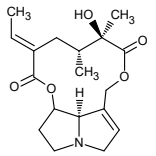
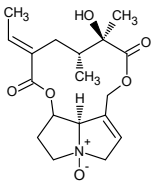
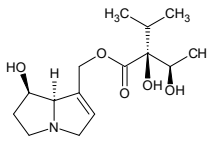
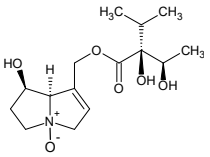
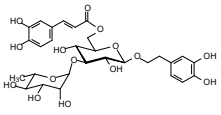
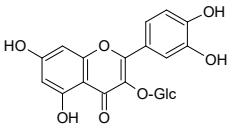
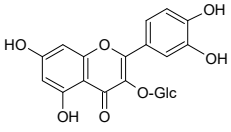
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Indicine N-oxide** from Heliotropium **Art. 6217.96** >96.0 % [41708-76-3] $C_{15}H_{25}NO_6$ M_r 315.36	HPLC-DAD with UV-Spectrum	10 mg 20 mg	218 391
	**Integerrimine** Intergerrimine, Squalidin(e) from Senecio vulgaris **Art. 6283.97** >97.0 % [480-79-5] $C_{18}H_{25}NO_5$ M_r 335.39	HPLC-DAD with UV-Spectrum	5 mg 10 mg	249 442
	**Integerrimine N-oxide** Intergerrimine N-oxide, Squalidin(e) N-oxide from Senecio vulgaris **Art. 6284.95** >95.0 % [85955-28-8] $C_{18}H_{25}NO_6$ M_r 351.39	HPLC-DAD with UV-Spectrum	5 mg 10 mg	274 482
	**Intermedine** from Symphytum officinale **Art. 6274.95** >95.0 % [10285-06-0] $C_{15}H_{25}NO_5$ M_r 299.36	HPLC-DAD with UV-Spectrum	5 mg 10 mg	192 334
	**Intermedine N-oxide** from Symphytum officinale **Art. 6275.95** >95.0 % [95462-14-9] $C_{15}H_{25}NO_6$ M_r 315.37	HPLC-DAD with UV-Spectrum	5 mg 10 mg	218 380
	**Isoacteoside** **Isoverbascoside** from Harpagophytum procumbens **Art. 6102.99** >99.0 % [61303-13-7] $C_{29}H_{36}O_{15}$ M_r 624.59	HPLC-DAD with UV-Spectrum	10 mg	120
	Isoorientin see Homoorientin			
	**Isoquercitrin** Quercetin 3-glucoside, Hirsutrin, Isoquercetin from Sambucus nigra **Art. 3254.RS** >99.0 % [482-35-9] $C_{21}H_{20}O_{12}$ M_r 464.38	HPLC-DAD (2 methods), TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	20 mg 50 mg 100 mg	235 435 690
	**Isoquercitrin** Quercetin 3-glucoside, Hirsutrin, Isoquercetin from Tiliae officinalis **Art. 3254.99** >99.0 % [482-35-9] $C_{21}H_{20}O_{12}$ M_r 464.38	HPLC-DAD with UV-Spectrum	20 mg 50 mg	105 220

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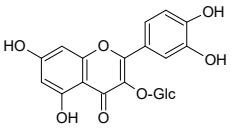
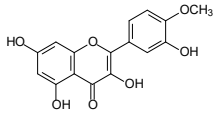
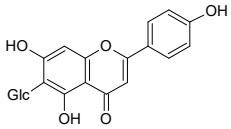
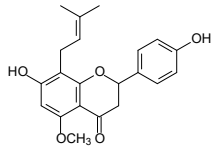
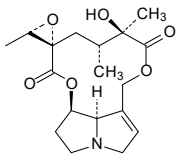
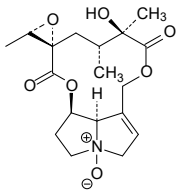
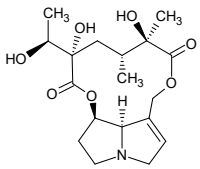
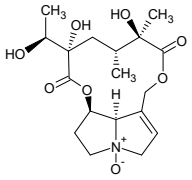
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Isoquercitrin** Quercetin 3-glucoside, Hirsutrin, Isoquercetin from Tiliae officinalis **Art. 3254.97** >97.0 % [482-35-9] $C_{21}H_{20}O_{12}$ M_r 464.38	HPLC-DAD with UV-Spectrum	50 mg 100 mg	192 345
	**Isorhamnetin** 4'-O-Methylquercetin from Calendula officinalis **Art. 3251.98** >98.0 % [480-19-3] $C_{16}H_{12}O_7$ M_r 316.27	HPLC-DAD with UV-Spectrum	20 mg	115
	Isoverbascoside see Isoacteoside			
	**Isovitexin** 6-Glucosylapigenin from Passiflora incarnata **Art. 3230.99** >99.0 % [38953-85-4] $C_{21}H_{20}O_{10}$ M_r 432.38	HPLC-DAD with UV-Spectrum	5 mg 10 mg	130 185
	**Isoxanthohumol** from Humulus lupulus **Art. 3325.99** >99.0 % [70872-29-6] or [521-48-2] $C_{21}H_{22}O_5$ M_r 354.40	HPLC-DAD with UV-Spectrum	10 mg 20 mg	145 220
	**Jacobine** from Senecio jacobea **Art. 6219.98** >98.0 % [6870-67-3] $C_{18}H_{25}NO_6$ M_r 351.39	HPLC-DAD with UV-Spectrum	5 mg 10 mg	189 332
	**Jacobine N-oxide** from Senecio jacobea **Art. 6222.96** >96.0 % [38710-25-7] $C_{18}H_{25}NO_7$ M_r 367.39	HPLC-DAD with UV-Spectrum	5 mg 10 mg	198 350
	**Jacoline** from Senecio jacobea **Art. 6291.97** >97.0 % [480-76-2] $C_{18}H_{27}NO_7$ M_r 369.41	HPLC-DAD with UV-Spectrum	5 mg 10 mg	249 442
	**Jacoline N-oxide** from Senecio jacobea **Art. 6292.97** >97.0 % [1148039-73-9] $C_{18}H_{27}NO_8$ M_r 385.41	HPLC-DAD with UV-Spectrum	5 mg 10 mg	268 480

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Catalogue of Natural Compounds

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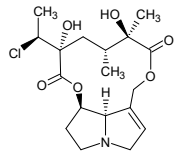
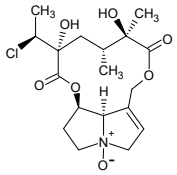
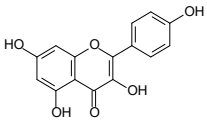
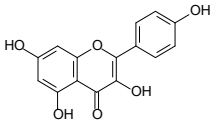
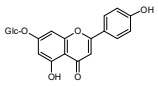
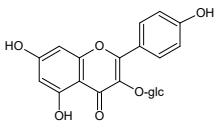
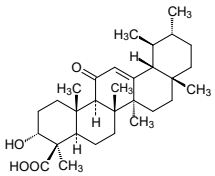
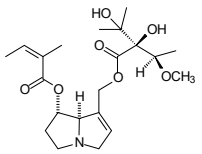
	**Jaconine** from Senecio jacobea **Art. 6293.95** >95.0 % [480-75-1] $C_{18}H_{26}ClNO_6$ M_r 387.86	HPLC-DAD with UV-Spectrum	5 mg 10 mg	315 575
	**Jaconine N-oxide** from Senecio jacobea **Art.-Nr. 6294.95** >95.0 % [1148039-75-1] $C_{18}H_{26}ClNO_7$ M_r 403.85	HPLC-DAD with UV-Spectrum	5 mg	405
	**Kaempferol** Robigenin, Trifolitin from Aesculus hippocastanum **Art. 3240.99** >99.0 % [520-18-3] $C_{15}H_{10}O_6$ M_r 286.24	HPLC-DAD with UV-Spectrum	20 mg 50 mg	105 220
	**Kaempferol** Robigenin, Trifolitin from Aesculus hippocastanum **Art. 3240.97** >97.0 % [520-18-3] $C_{15}H_{10}O_6$ M_r 286.24	HPLC-DAD with UV-Spectrum	250 mg 500 mg	190 325
	**Kaempferol 3-glucoside** Astragalin from Aesculus hippocastanum **Art. 3242.99** >99.0 % [480-10-4] $C_{21}H_{20}O_{11}$ M_r 448.38	HPLC-DAD with UV-Spectrum	10 mg 20 mg	170 325
	**Kaempferol 3-glucoside** Astragalin from Aesculus hippocastanum **Art. 3242.97** >97.0 % [480-10-4] $C_{21}H_{20}O_{11}$ M_r 448.38	HPLC-DAD with UV-Spectrum	20 mg 50 mg	195 370
	**11-Keto-β-boswellic acid** 3α-Hydroxyurs-12-en-11-keto-23-oic acid from Boswellia serrata **Art. 5152.99** >99.0 % [17019-92-0] $C_{30}H_{46}O_4$ M_r 470.69	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	130 195 350
	Kuromanin chloride see Cyanidin 3-glucoside chloride			
	**Lasiocarpine** 7-Angelyleuropine from Heliotropium **Art. 6210.97** >97.0 % [303-34-4] $C_{21}H_{33}NO_7$ M_r 411.49	HPLC-DAD with UV-Spectrum	10 mg 20 mg	175 310

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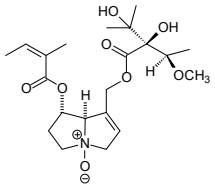
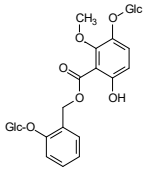
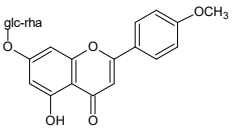
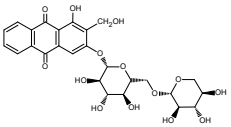
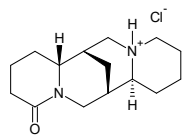
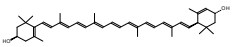
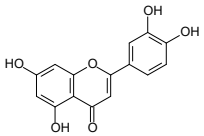
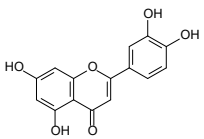
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Lasiocarpine N-oxide** 7-Angelyleuropine N-oxide from Heliotropium **Art. 6211.96** >96.0 % [127-30-0] $C_{21}H_{33}NO_8$ M_r 427.49	HPLC-DAD with UV-Spectrum	10 mg 20 mg	175 310
	**Leiocarposide** 2'-Hydroxybenzyl-3-methoxybenzoate 2',4-diglucoside from Solidago virgaurea **Art. 2125.99** >99.0 % [71953-77-0] $C_{27}H_{34}O_{16}$ M_r 614.56	HPLC-DAD with UV-Spectrum	10 mg	235
	**Linarin** Acacetin 7-rutinoside from Linaria vulgaris **Art. 3210.98** >98.0 % [480-36-4] $C_{28}H_{32}O_{14}$ M_r 592.57	HPLC-DAD with UV-Spectrum	10 mg	135
	**Lucidin 3-primveroside** Lucidin-3-O-beta-primveroside from Rubia tinctorium **Art. 3708.98** >98.0 % [29706-59-0] $C_{26}H_{28}O_{14}$ M_r 564.49	HPLC-DAD with UV-Spectrum	5 mg 10 mg	155 245
	**Lupanine hydrochloride** 2-Oxospartein from Lupinus angustifolius **Art. 6351.95** >95.0 % [1025-39-4] $C_{15}H_{25}ClN_2O$ M_r 284.83	HPLC-DAD with UV-Spectrum	10 mg	254
	**Lutein** Xanthophyll, β,ε-Carotene-3,3'-diol from Brassica oleracea **Art. 4205.90** >90 % [127-40-2] $C_{40}H_{56}O_2$ M_r 568.88	HPLC-DAD with UV-Spectrum	5 mg	145
	**Luteolin** Digitoflavone from Reseda luteola **Art. 3260.RS** >99.0 % [491-70-3] $C_{15}H_{10}O_6$ M_r 286.23	HPLC-DAD, TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	20 mg 50 mg	250 410
	**Luteolin** Digitoflavone from Reseda luteola **Art. 3260.99** >99.0 % [491-70-3] $C_{15}H_{10}O_6$ M_r 286.23	HPLC-DAD with UV-Spectrum	20 mg 50 mg	110 220

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Catalogue of Natural Compounds

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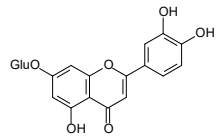
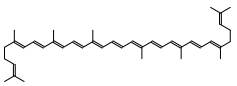
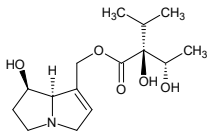
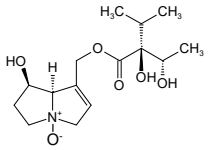
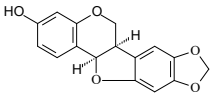
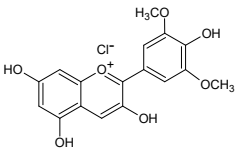
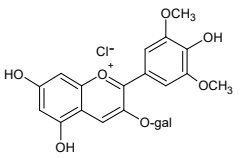
	**Luteolin 7-glucoside** Glucoluteolin from Reseda luteola **Art. 3262.99** >99.0 % [5373-11-5] $C_{21}H_{20}O_{11}$ M_r 448.38	HPLC-DAD with UV-Spectrum	20 mg 50 mg	110 240
	**Lycopene** ψ,ψ-Carotene, (all-trans)-Lycopene from Solanum lycopersicum **Art. 4207.90** >90 % [502-65-8] $C_{40}H_{56}$ M_r 536.88	HPLC-DAD with UV-Spectrum	5 mg	155
	**Lycopsamine** 9-Viridiflorylretronecine from Symphytum officinale **Art. 6270.95** >95.0 % [10285-07-1] $C_{15}H_{25}NO_5$ M_r 299.36	HPLC-DAD with UV-Spectrum	5 mg 10 mg	198 345
	**Lycopsamine N-oxide** 9-Viridiflorylretronecine N-oxide from Symphytum officinale **Art.-Nr. 6271.95** >95.0 % [95462-15-0] $C_{15}H_{25}NO_6$ M_r 315.36	HPLC-DAD with UV-Spectrum	5 mg 10 mg	218 380
	**(-)-Maackiain** Demethylpterocarpin, Inermin from Baptisia tinctoria **Art. 3226.98** >98.0 % [2035-15-6] $C_{16}H_{12}O_5$ M_r 284.27	HPLC-DAD with UV-Spectrum	10 mg 20 mg	170 285
	**Malvidin chloride** from Malva silvestris **Art. 5008.97** >97.0 % [643-84-5] $C_{17}H_{15}ClO_7$ M_r 366.75	HPLC-DAD with UV-Spectrum	10 mg	140
	**Malvidin 3-galactoside chloride** Primulin, Arthanitin chloride from Vaccinium myrtillus **Art. 5011.95** >95.0 % [30113-37-2] $C_{23}H_{25}ClO_{12}$ M_r 528.89	HPLC-DAD with UV-Spectrum	5 mg 10 mg	145 240
	Malvidin 3-glucoside chloride see Oenin chloride			
	Malvidin 3,5-glucoside chloride see Malvin chloride			

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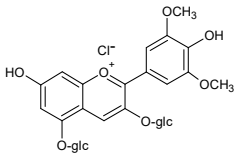
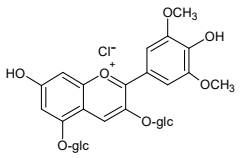
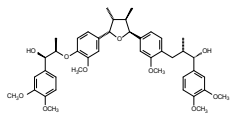
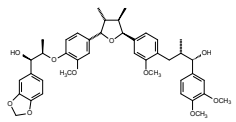
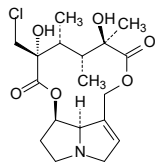
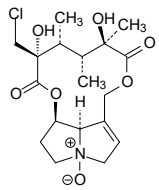
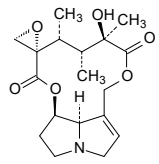
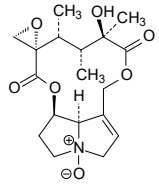
	**Malvin chloride** **Malvidin 3,5-diglucoside chloride** from Malva silvestris **Art. 5005.97** >97.0 % [16727-30-3] $C_{29}H_{35}ClO_{17}$ M_r 691.04	HPLC-DAD with UV-Spectrum	10 mg 20 mg	110 180
	**Malvin chloride** **Malvidin 3,5-diglucoside chloride** from Malva silvestris **Art. 5005.90** >90.0 % [16727-30-3] $C_{29}H_{35}ClO_{17}$ M_r 691.04	HPLC-DAD with UV-Spectrum	100 mg	200
	**Manassantin A** from Saururus chinensis **Art. 3101.98** >98.0 % [88497-87-4] $C_{42}H_{52}O_{11}$ M_r 732.34	HPLC-DAD with UV-Spectrum	10 mg 20 mg	230 400
	**Manassantin B** from Saururus chinensis **Art. 3103.98** >98.0 % [88497-88-5] $C_{41}H_{48}O_{11}$ M_r 716.30	HPLC-DAD with UV-Spectrum	10 mg 20 mg	200 350
	**Merenskine** Chlordeoxysceleratine from Senecio retrorsus **Art. 6223.97** >97.0 % [96657-94-2] $C_{18}H_{26}ClNO_6$ M_r 387.85	HPLC-DAD with UV-Spectrum	5 mg 10 mg	164 303
	**Merenskine N-oxide** Chlordeoxysceleratinyl-N-oxide from Senecio retrorsus **Art. 6225.97** >97.0 % [96657-95-3] $C_{18}H_{26}ClNO_7$ M_r 403.85	HPLC-DAD with UV-Spectrum	5 mg 10 mg	164 303
	**Merepoxine** from Senecio retrorsus **Art. 6224.97** >97.0 % [115777-94-1] $C_{18}H_{25}NO_6$ M_r 351.40	HPLC-DAD with UV-Spectrum	5 mg 10 mg	184 336
	**Merepoxine N-oxide** from Senecio retrorsus **Art. 6226.97** >97.0 % [-] $C_{18}H_{25}NO_7$ M_r 367.40	HPLC-DAD with UV-Spectrum	5 mg 10 mg	184 336
	1-Methoxyglucobrassicin see Neoglucobrassin			

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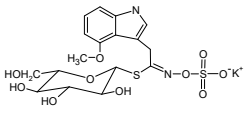
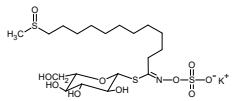
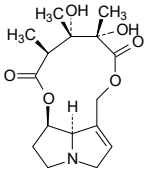
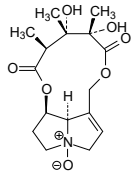
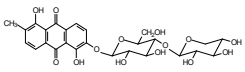
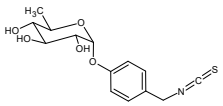
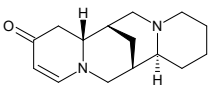
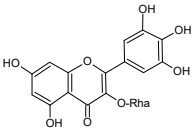
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**4-Methoxyglucobrassicin** 4-Methoxy-3-indolylmethylglucosinolate K-salt from Brassica oleracea **Art. 3433.95** >95.0 % [83327-21-3] (free acid) $C_{17}H_{21}KN_2O_{10}S_2$ M_r 516.59	HPLC-DAD with UV-Spectrum	5 mg	200
	**11-(Methylsulfinyl)undecylglucosinolate** **Homoglucocamelinin** K-salt from Camelina sativa **Art. 3432.97** >97.0 % [186037-18-3] $C_{19}H_{36}KNO_{10}S_3$ M_r 573.79	HPLC-DAD with UV-Spectrum	5 mg 10 mg	185 350
	**Monocrotaline** from Crotalaria **Art. 6227.99** >99.0 % [315-22-0] $C_{16}H_{23}NO_6$ M_r 325.36	HPLC-DAD with UV-Spectrum	20 mg 50 mg	105 190
	**Monocrotaline N-oxide** from Crotalaria **Art. 6228.98** >98.0 % [35337-98-5] $C_{16}H_{23}NO_7$ M_r 341.36	HPLC-DAD with UV-Spectrum	10 mg 20 mg	215 375
	**Morindin** from Morinda citrifolia **Art. 3271.97** >97.0 % [60450-21-7] $C_{26}H_{28}O_{14}$ M_r 564.50	HPLC-DAD with UV-Spectrum	10 mg	235
	**Moringin** 4-(α-Rhamnosyloxy)benzyl isothiocyanate from Moringa oleifera **Art.-Nr. 3450.95** >95.0 % [73255-40-0] $C_{14}H_{17}NO_5S$ M_r 311.35	HPLC-DAD with UV-Spectrum	5 mg 10 mg	160 280
	**Multiflorine** 4-Oxo-2,3-didehydrosparteine from Lupinus albus **Art. 6324.95** >95.0 % [529-80-6] $C_{15}H_{22}N_2O$ M_r 246.35	HPLC-DAD with UV-Spectrum	5 mg 10 mg	280 500
	**Myricitrin** Myricetin 3-rhamnoside, Myricitroside from Myrica cerifera **Art. 3258.99** >99.0 % [17912-87-7] $C_{21}H_{20}O_{12}$ M_r 464.38	HPLC-DAD with UV-Spectrum	20 mg	135

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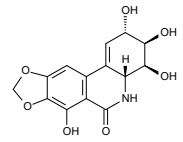
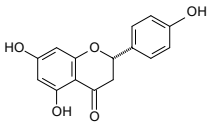
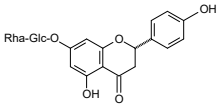
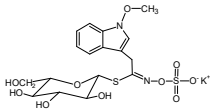
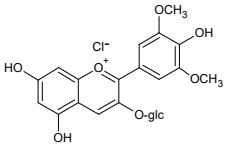
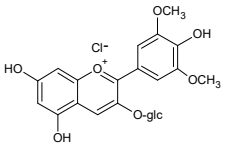
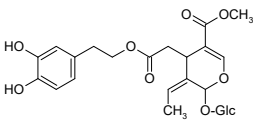
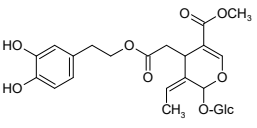
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Narciclasin** Lycoricidinol from Narcissus pseudonarcissus **Art. 6360.97** >97.0 % [29477-83-6] $C_{14}H_{13}NO_7$ M_r 307.26	HPLC-DAD with UV-Spectrum	10 mg	240
	**Naringenin** Naringetol, Pelarginadon from Citrus paradisi **Art. 3323.98** >98.0 % [480-41-1] $C_{15}H_{12}O_5$ M_r 272.26	HPLC-DAD with UV-Spectrum	20 mg 50 mg	100 200
	**Naringin** Naringenin 7-rhamnoglucoside, Aurantiin from Citrus paradisi **Art. 3322.99** >99.0 % [10236-47-2] $C_{27}H_{32}O_{14}$ M_r 580.54	HPLC-DAD with UV-Spectrum	20 mg 50 mg	100 180
	**Neoglucobrassicin** 1-Methoxyglucobrassicin 1-Methoxy-3-indolylmethylglucosinolate K-salt from Brassica oleracea **Art. 3434.97** >97.0 % [5187-84-8] (free acid) $C_{17}H_{21}KN_2O_{10}S_2$ M_r 516.59	HPLC-DAD with UV-Spectrum	5 mg	198
	**Oenin chloride** Malvidin 3-glucoside chloride from Vitis vinifera **Art. 5007.97** >97.0 % [7228-78-6] $C_{23}H_{25}ClO_{12}$ M_r 528.89	HPLC-DAD with UV-Spectrum	10 mg 20 mg	160 280
	**Oenin chloride** Malvidin 3-glucoside chloride from Vitis vinifera **Art. 5007.85** >85.0 % [7228-78-6] $C_{23}H_{25}ClO_{12}$ M_r 528.89	HPLC-DAD with UV-Spectrum	100 mg	220
	**Oleuropein** from Olea europaea **Art. 2111.RS** >98.0 % [32619-42-4] $C_{25}H_{32}O_{13}$ M_r 540.52	HPLC-DAD, TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	20 mg 50 mg	250 410
	**Oleuropein** from Olea europaea **Art. 2111.98** >98.0 % [32619-42-4] $C_{25}H_{32}O_{13}$ M_r 540.52	HPLC-DAD with UV-Spectrum	10 mg 20 mg	100 170

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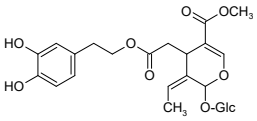
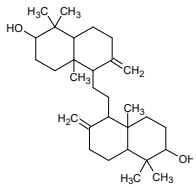
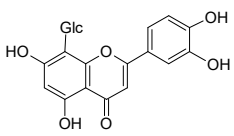
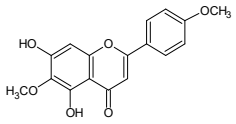
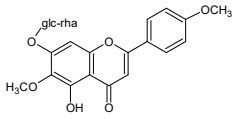
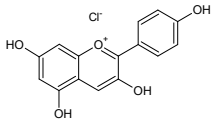
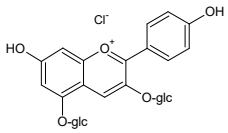
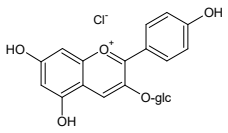
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Oleuropein** from Olea europaea **Art. 2111.90** >90.0 % [32619-42-4] $C_{25}H_{32}O_{13}$ M_r 540.52	HPLC-DAD with UV-Spectrum	500 mg 1000 mg	200 350
	**α-Onocerin** from Ononis spinosa **Art. 4214.98** >98.0 % [511-01-3] $C_{30}H_{50}O_2$ M_r 442.72	HPLC-DAD with UV-Spectrum	10 mg 20 mg	178 320
	**Orientin** 8-C-Glucoluteolin, Lutexin from Adonis vernalis **Art. 3276.98** >98.0 % [28608-75-5] $C_{21}H_{20}O_{11}$ M_r 448.36	HPLC-DAD with UV-Spectrum	5 mg 10 mg	110 155
	**Pectolinarigenin** 5,7-Dihydroxy-4',6-dimethoxyflavone from Linaria vulgaris **Art. 3212.97** >97.0 % [520-12-7] $C_{17}H_{14}O_6$ M_r 314.30	HPLC-DAD with UV-Spectrum	10 mg	150
	**Pectolinarin** Pectolinaroside, Neolinarin from Linaria vulgaris **Art. 3216.98** >98.0 % [28978-02-1] $C_{29}H_{34}O_{15}$ M_r 622.58	HPLC-DAD with UV-Spectrum	10 mg	150
	**Pelargonidin chloride** from Pelargonium zonale **Art. 5006.97** >97.0 % [134-04-3] $C_{15}H_{11}ClO_5$ M_r 306.70	HPLC-DAD with UV-Spectrum	10 mg	125
	**Pelargonidin 3,5-diglucoside chloride** Pelargonin chloride, Salvinin from Pelargonium zonale **Art. 5025.97** >97.0 % [17334-58-6] $C_{27}H_{31}ClO_{15}$ M_r 630.97	HPLC-DAD with UV-Spectrum	5 mg 10 mg	120 190
	**Pelargonidin 3-glucoside chloride** from Fragaria **Art. 5024.96** >96.0 % [18466-51-8] $C_{21}H_{21}ClO_{10}$ M_r 468.84	HPLC-DAD with UV-Spectrum	5 mg 10 mg	140 205

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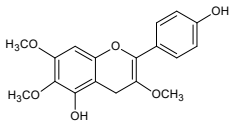
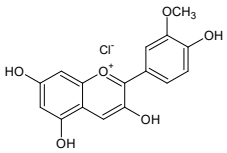
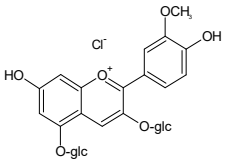
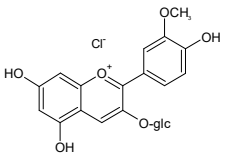
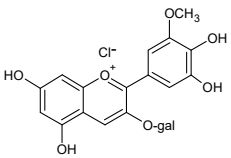
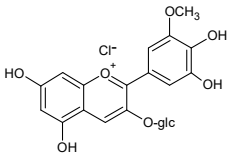
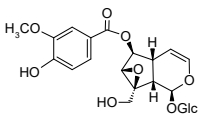
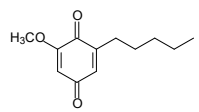
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Penduletin** 5,4'-Dihydroxy-3,6,7-trimethoxyflavone from Vitex agnus castus **Art. 3327.97** >97.0 % [569-80-2] $C_{18}H_{16}O_7$ M_r 344.32	HPLC-DAD with UV-Spectrum	5 mg 10 mg	170 295
	**Peonidin chloride** from Rosa centifolia **Art. 5010.97** >97.0 % [134-01-0] $C_{16}H_{13}ClO_6$ M_r 336.73	HPLC-DAD with UV-Spectrum	5 mg 10 mg	135 250
	**Peonidin 3,5-diglucoside chloride** Paeonine from Rosa centifolia **Art. 5026.95** >95.0 % [132-37-6] $C_{28}H_{33}ClO_{16}$ M_r 661.01	HPLC-DAD with UV-Spectrum	5 mg 10 mg	150 245
	**Peonidin 3-glucoside chloride** from Vitis vinifera **Art. 5020.96** >96.0 % [6906-39-4] $C_{22}H_{23}ClO_{11}$ M_r 498.85	HPLC-DAD with UV-Spectrum	5 mg 10 mg	155 275
	**Petunidin 3-galactoside chloride** from Vitis vinifera **Art.-Nr. 5032.90** >90.0 % [28500-02-9] $C_{22}H_{23}ClO_{12}$ M_r 514.85	HPLC-DAD with UV-Spectrum	5 mg 10 mg	220 350
	**Petunidin 3-glucoside chloride** from Vitis vinifera **Art. 5021.97** >97.0 % [6988-81-4] $C_{22}H_{23}ClO_{12}$ M_r 514.85	HPLC-DAD with UV-Spectrum	5 mg 10 mg	155 275
	**Picroside II** 6-Vanilloylcatalpol from Picrorhiza kurrooa **Art. 2104.98** >98.0 % [39012-20-9] $C_{23}H_{28}O_{13}$ M_r 512.47	HPLC-DAD with UV-Spectrum	20 mg 50 mg	125 260
	**Primin** 2-Methoxy-6-pentyl-p-benzoquinone synthetic **Art. 1001.RS** >99.0 % [15121-94-5] $C_{12}H_{16}O_3$ M_r 208.26	HPLC-DAD, TLC, UV, IR, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), MS, Melting point, Elemental analysis	20 mg 50 mg	290 550

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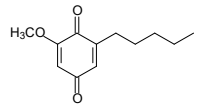
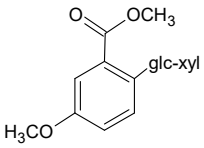
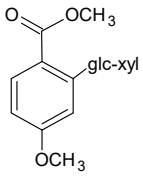
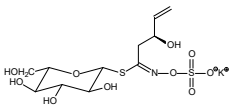
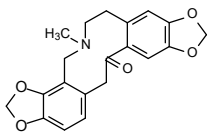
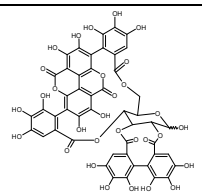
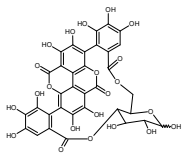
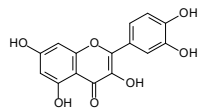
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Primin** 2-Methoxy-6-pentyl-p-benzoquinone synthetic **Art. 1001.99** >99.0 % [15121-94-5] $C_{12}H_{16}O_3$ M_r 208.26	HPLC-DAD with UV-Spectrum	10 mg 20 mg	95 175
	**Primulaverin** from Primula veris **Art. 4101.99** >99.0 % [154-61-0] $C_{20}H_{28}O_{13}$ M_r 476.43	HPLC-DAD with UV-Spectrum	10 mg 20 mg	170 290
	**Primverin** Primeverin from Primula veris **Art. 4102.99** >99.0 % [154-60-9] $C_{20}H_{28}O_{13}$ M_r 476.43	HPLC-DAD with UV-Spectrum	10 mg 20 mg	170 290
	**Progoitrin** 2-Hydroxybut-3-enylglucosinolate K-salt from Brassica napus **Art. 3415.97** >97.0 % [21087-77-4] or [585-95-5] (free acid) $C_{11}H_{18}KNO_{10}S_2$ M_r 427.48	HPLC-DAD with UV-Spectrum	10 mg 20 mg	120 230
	**Protopine** Fumarine, Biflorine, Macleyine from Chelidonium majus **Art. 6307.98** >98.0 % [130-86-9] $C_{20}H_{19}NO_5$ M_r 353.37	HPLC-DAD with UV-Spectrum	10 mg 20 mg	132 243
	**Punicalagin** from Punica granatum **Art. 3313.97** >97.0 % [65995-63-3] $C_{48}H_{28}O_{30}$ M_r 1084.72	HPLC-DAD with UV-Spectrum	10 mg	120
	**Punicalin** from Punica granatum **Art. 3314.97** >97.0 % [65995-64-4] $C_{34}H_{22}O_{22}$ M_r 782.53	HPLC-DAD with UV-Spectrum	10 mg	170
	**Quercetin** Sophoretin, Meletin synthetic from Rutin **Art. 3201.RS** >99.0 % [117-39-5] $C_{15}H_{10}O_7$ M_r 302.24	HPLC-DAD, TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point, Elemental analysis	20 mg 50 mg 100 mg	235 338 545

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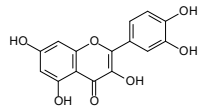
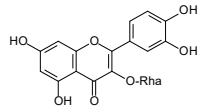
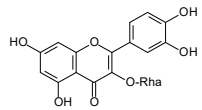
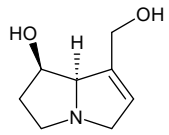
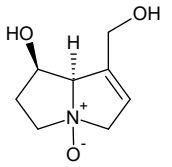
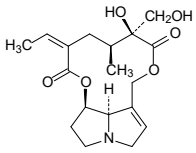
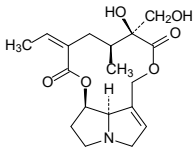
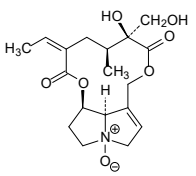
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Quercetin dihydrate** Sophoretin, Meletin synthetic from Rutin **Art. 3201.99** >99.0 % [6151-25-3] $C_{15}H_{10}O_7 \cdot 2H_2O$ M_r 338.27	HPLC-DAD with UV-Spectrum	20 mg 50 mg 100 mg	95 175 300
	**Quercitrin** Quercetin 3-rhamnoside, Quercitroside from Aesculus hippocastanum **Art. 3253.RS** >99.0 % [522-12-3] $C_{21}H_{20}O_{11}$ M_r 448.38	HPLC-DAD (2 methods) TLC, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	10 mg 20 mg	235 370
	**Quercitrin** Quercetin 3-rhamnoside, Quercitroside from Aesculus hippocastanum **Art. 3253.99** >99.0 % [522-12-3] $C_{21}H_{20}O_{11}$ M_r 448.38	HPLC-DAD with UV-Spectrum	10 mg 20 mg	95 130
	**Retronecine** Retronecin, Senecifolinene from Senecio retrorsus **Art. 6282.95** >95.0 % [480-85-3] $C_8H_{13}NO_2$ M_r 155.19	HPLC-DAD with UV-Spectrum	5 mg 10 mg	200 335
	**Retronecine N-oxide** Senecifolinene N-oxide from Senecio retrorsus **Art. 6285.97** >97.0 % [6870-33-3] $C_8H_{13}NO_3$ M_r 171.19	HPLC-DAD with UV-Spectrum	5 mg 10 mg	240 420
	**Retrorsine** 12,18-Dihydroxysenecionan-11,16-dione, β-Longilobine; from Senecio retrorsus **Art. 6203.98** >98.0 % [480-54-6] $C_{18}H_{25}NO_6$ M_r 351.40	HPLC-DAD with UV-Spectrum	10 mg 20 mg	115 167
	**Retrorsine** 12,18-Dihydroxysenecionan-11,16-dione, β-Longilobine; from Senecio retrorsus **Art. 6203.90** >90.0 % [480-54-6] $C_{18}H_{25}NO_6$ M_r 351.40	HPLC-DAD with UV-Spectrum	100 mg 500 mg	350 930
	**Retrorsine N-oxide** 12,18-Dihydroxysenecionan-11,16-dione 4-oxide from Senecio retrorsus **Art. 6253.97** >97.0 % [15503-86-3] $C_{18}H_{25}NO_7$ M_r 367.40	HPLC-DAD with UV-Spectrum	10 mg 20 mg	173 290

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Catalogue of Natural Compounds

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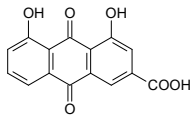
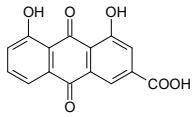
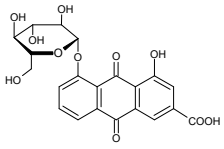
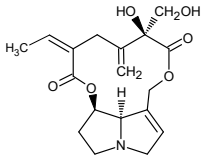
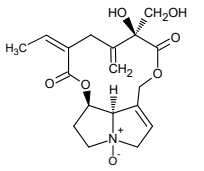
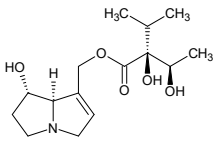
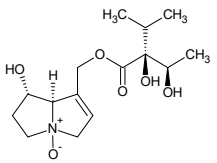
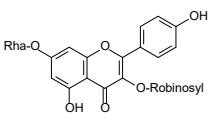
	**Rhein** Cassic acid, Crysazin 3-carboxylic acid from Rheum palmatum **Art. 3274.99** >99.0 % [478-43-3] $C_{15}H_8O_6$ M_r 284.23	HPLC-DAD with UV-Spectrum	20 mg 50 mg	105 240
	**Rhein** Cassic acid, Crysazin 3-carboxylic acid from Rheum palmatum **Art. 3274.97** >97.0 % [478-43-3] $C_{15}H_8O_6$ M_r 284.23	HPLC-DAD with UV-Spectrum	250 mg	220
	**Rhein-8-O-glucoside** Rhein 8-glucoside, 8-Glucosylrhein from Rheum palmatum **Art. 3273.98** >98.0 % [34298-86-7] $C_{21}H_{18}O_{11}$ M_r 446.37	HPLC-DAD with UV-Spectrum	10 mg 20 mg	155 260
	**Riddelliine** Riddelline, Riddeline, 18-Hydroxyseneciphylline from Senecio riddellii **Art. 6312.98** >98.0 % [23246-96-0] $C_{18}H_{23}NO_6$ M_r 349.38	HPLC-DAD with UV-Spectrum	10 mg	205
	**Riddelliine N-oxide** Riddeline N-oxide from Senecio riddellii **Art. 6313.97** >97.0 % [75056-11-0] $C_{18}H_{23}NO_7$ M_r 365.38	HPLC-DAD with UV-Spectrum	10 mg	226
	**Rinderine** from Cynoglossum officinale **Art. 6310.95** >95.0 % [6029-84-1] $C_{15}H_{25}NO_5$ M_r 299.36	HPLC-DAD with UV-Spectrum	5 mg	389
	**Rinderine N-oxide** from Cynoglossum officinale **Art. 6311.95** >95.0 % [137821-16-0] $C_{15}H_{25}NO_6$ M_r 315.36	HPLC-DAD with UV-Spectrum	5 mg	389
	**Robinin** Kaempferol 3-robinoside 7-rhamnoside from Pseudoacacia **Art. 3326.98** >98.0 % [301-19-9] $C_{33}H_{40}O_{19}$ M_r 740.67	HPLC-DAD with UV-Spectrum	10 mg	125

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Catalogue of Natural Compounds

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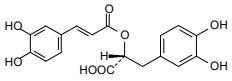
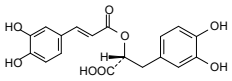
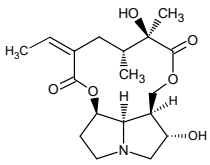
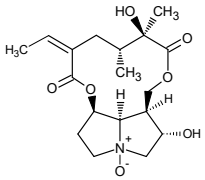
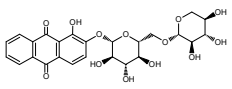
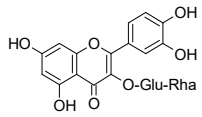
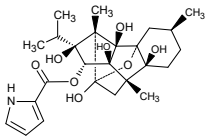
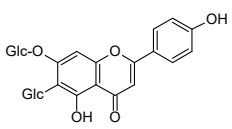
	**Rosmarinic acid** from Rosmarinus officinalis **Art. 6130.RS** >99.0 % [20283-92-5] $C_{18}H_{16}O_8$ M_r 360.32	HPLC-DAD, TLC ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point, content of water, content of residual solvents	20 mg 50 mg	250 450
	**Rosmarinic acid** from Rosmarinus officinalis **Art. 6130.99** >99.0 % [20283-92-5] $C_{18}H_{16}O_8$ M_r 360.32	HPLC-DAD with UV-Spectrum	20 mg 50 mg	110 220
	**Rosmarinine** from Senecio pterophorus **Art.-Nr. 6361.97** >97.0 % [520-65-0] $C_{18}H_{27}NO_6$ M_r 353.41	HPLC-DAD with UV-Spectrum	5 mg	350
	**Rosmarinine N-oxide** from Senecio pterophorus **Art.-Nr. 6362.97** >97.0 % [149415-56-5] $C_{18}H_{27}NO_7$ M_r 369.41	HPLC-DAD with UV-Spectrum	5 mg	380
	**Ruberythric acid** Alizarin-2-O-β-D-primveroside, Rubianic acid from Rubia tinctorum **Art. 3709.98** >98.0 % [152-84-1] $C_{25}H_{26}O_{13}$ M_r 534.47	HPLC-DAD with UV-Spectrum	5 mg 10 mg	170 265
	**Rutin** Rutoside, Quercetin 3-rutinoside, Sophorin from Sophora japonica **Art. 3256.99** >99.0 % [153-18-4] $C_{27}H_{30}O_{16}$ M_r 610.52	HPLC-DAD with UV-Spectrum	50 mg 100 mg	100 150
	**Ryanodine** Ryanodol-3-(1*H*-pyrrole-2-carboxylate) from Ryania speciosa **Art. 6290.98** >98.0 % [15662-33-6] $C_{25}H_{35}NO_9$ M_r 493.55	HPLC-DAD with UV-Spectrum	1 mg 5 mg	115 395
	**Saponarin** from Saponaria officinalis **Art. 3232.98** >98.0 % [20310-89-8] $C_{27}H_{30}O_{15}$ M_r 594.53	HPLC-DAD with UV-Spectrum	10 mg 20 mg	175 290

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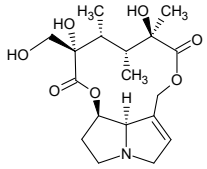
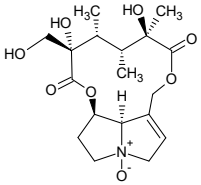
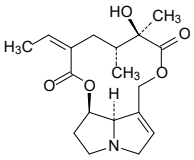
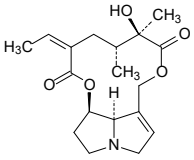
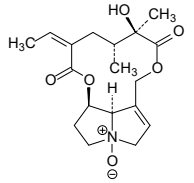
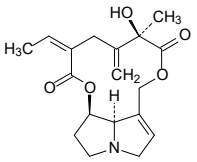
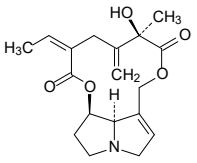
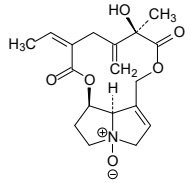
Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Sceleratine** from Senecio retrorsus **Art. 6229.97** >97.0 % [6190-25-6] $C_{18}H_{27}NO_7$ M_r 369.41	HPLC-DAD with UV-Spectrum	5 mg 10 mg	170 265
	**Sceleratine N-oxide** from Senecio retrorsus **Art. 6230.97** >97.0 % [103184-92-5] $C_{18}H_{27}NO_8$ M_r 385.41	HPLC-DAD with UV-Spectrum	5 mg 10 mg	170 265
	**Senecionine** Aureine, 12-Hydroxysenecionan-11,16-dione from Senecio vulgaris **Art. 6202.RS** >99.0 % [130-01-8] $C_{18}H_{25}NO_5$ M_r 335.39	HPLC-DAD ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	20 mg 50 mg	325 630
	**Senecionine** Aureine, 12-Hydroxysenecionan-11,16-dione from Senecio vulgaris **Art. 6202.99** >99.0 % [130-01-8] $C_{18}H_{25}NO_5$ M_r 335.39	HPLC-DAD with UV-Spectrum	10 mg 20 mg	165 265
	**Senecionine N-oxide** 12-Hydroxysenecionan-11,16-dione 4-oxide from Senecio vulgaris **Art. 6252.97** >97.0 % [13268-67-2] $C_{18}H_{25}NO_6$ M_r 351.39	HPLC-DAD with UV-Spectrum	5 mg 10 mg	154 252
	**Seneciphylline** Jacodine, α-Longilobine from Senecio vulgaris **Art. 6201.RS** >99.0 % [480-81-9] $C_{18}H_{23}NO_5$ M_r 333.38	HPLC-DAD ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point	20 mg 50 mg	340 730
	**Seneciphylline** Jacodine, α-Longilobine from Senecio vulgaris **Art. 6201.99** >99.0 % [480-81-9] $C_{18}H_{23}NO_5$ M_r 333.38	HPLC-DAD with UV-Spectrum	10 mg 20 mg	168 285
	**Seneciphylline N-oxide** from Senecio vulgaris **Art. 6251.97** >97.0 % [38710-26-8] $C_{18}H_{23}NO_6$ M_r 349.37	HPLC-DAD with UV-Spectrum	5 mg 10 mg	175 283

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Catalogue of Natural Compounds

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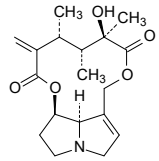
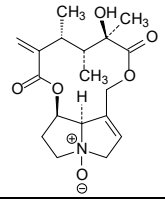
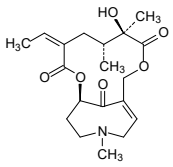
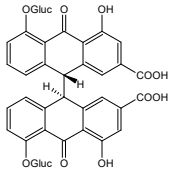
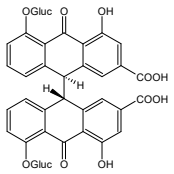
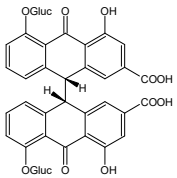
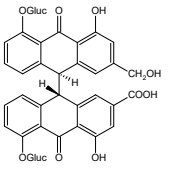
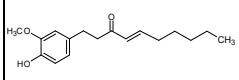
	**Senecivernine** from Senecio inaequidens **Art. 6206.95** >95.0 % [72755-25-0] $C_{18}H_{25}NO_5$ M_r 335.39	HPLC-DAD with UV-Spectrum	5 mg 10 mg	169 297
	**Senecivernine N-oxide** from Senecio inaequidens **Art. 6220.95** >95.0 % [101687-28-9] $C_{18}H_{25}NO_6$ M_r 351.39	HPLC-DAD with UV-Spectrum	5 mg 10 mg	179 323
	**Senkirkin** Senkirkine, Renardine from Tussilago farfara **Art. 6205.95** >95.0 % [2318-18-5] $C_{19}H_{27}NO_6$ M_r 365.43	HPLC-DAD with UV-Spectrum	5 mg 10 mg	145 219
	**Sennoside A** from Cassia angustifolia **Art. 3280.98** >98.0 % [81-27-6] $C_{42}H_{38}O_{20}$ M_r 862.72	HPLC-DAD with UV-Spectrum	10 mg 20 mg	105 150
	**Sennoside A1** Sennoside G, Sennoside A' from Cassia angustifolia **Art. 3282.95** >95.0 % [66575-30-2] $C_{42}H_{38}O_{20}$ M_r 862.72	HPLC-DAD with UV-Spectrum	10 mg 20 mg	175 250
	**Sennoside B** from Cassia angustifolia **Art. 3281.98** >98.0 % [128-57-4] $C_{42}H_{38}O_{20}$ M_r 862.72	HPLC-DAD with UV-Spectrum	10 mg 20 mg	105 140
	**Sennoside C** from Cassia angustifolia **Art. 3286.95** >95.0 % [37271-16-2] $C_{42}H_{40}O_{19}$ M_r 848.76	HPLC-DAD with UV-Spectrum	10 mg	180
	**[6]-Shogaol** 1-(4-Hydroxy-3-methoxyphenyl)-4-decen-3-one from Zingiber officinale **Art. 4310.96** >96.0 % [555-66-8] $C_{17}H_{24}O_3$ M_r 276.37	HPLC-DAD with UV-Spectrum	10 mg	155

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Catalogue of Natural Compounds

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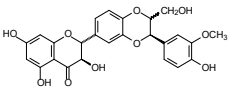
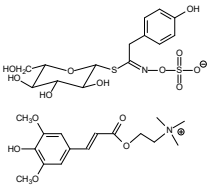
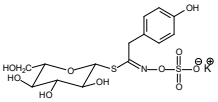
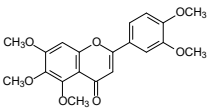
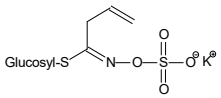
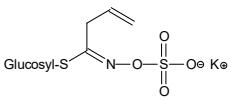
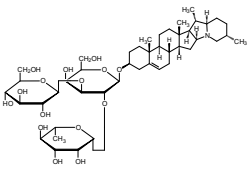
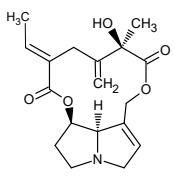
	**Silybin** Diastereomeric mixture of Silybin A and B Silibinin, Silymarin I from Silybum marianum **Art. 3215.98** >98.0 % [22888-70-6] or [36804-17-8] $C_{25}H_{22}O_{10}$ M_r 482.44	HPLC-DAD with UV-Spectrum	20 mg 50 mg	90 200
	**Sinalbin** Sinapine glucosinalbate from Sinapis alba **Art. 3409.99** >99.0 % [20196-67-2] $C_{30}H_{42}N_2O_{15}S_2$ M_r 734.79	HPLC-DAD with UV-Spectrum	20 mg 50 mg	130 240
	**Sinalbin Potassium salt** Glucosinalbin Potassium salt from Sinapis alba **Art. 3410.97** >97.0 % [16411-05-5] $C_{14}H_{18}KNO_{10}S_2$ M_r 463.52	HPLC-DAD with UV-Spectrum	20 mg 50 mg	135 280
	**Sinensetin** 3',4',5,6,7-Pentamethoxyflavone from Orthosiphon stamineus **Art. 3263.98** >98.0 % [2306-27-6] $C_{20}H_{20}O_7$ M_r 372.38	HPLC-DAD with UV-Spectrum	10 mg 20 mg	144 252
	**Sinigrin Monohydrate** Sinigroside, Allylglucosinolate, Potassium myronate from Sinapis nigra **Art. 3401.99** >99.0 % [3952-98-5] $C_{10}H_{16}KNO_9S_2 \cdot H_2O$ M_r 415.48	HPLC-DAD with UV-Spectrum	25 mg 50 mg	100 134
	**Sinigrin Monohydrate** Sinigroside, Allylglucosinolate, Potassium myronate from Sinapis nigra **Art. 3401.97** >97.0 % [3952-98-5] $C_{10}H_{16}KNO_9S_2 \cdot H_2O$ M_r 415.48	HPLC-DAD with UV-Spectrum	1 g	240
	**α-Solanine** alpha-Solanine, Solatunine from Solanum tuberosum **Art. 6207.98** >98.0 % [20562-02-1] $C_{45}H_{73}NO_{15}$ M_r 868.06	HPLC-DAD with UV-Spectrum	10 mg 20 mg	110 173
	**Spartioidine** (15E)-Seneciphylline from Senecio jacobea **Art. 6314.95** >95.0 % [520-59-2] $C_{18}H_{23}NO_5$ M_r 333.38	HPLC-DAD with UV-Spectrum	2.5 mg 5 mg	314 549

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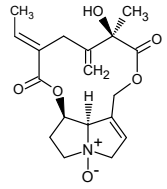
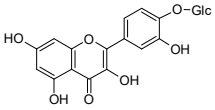
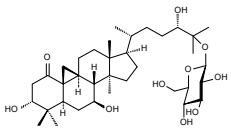
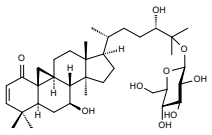
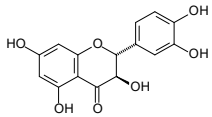
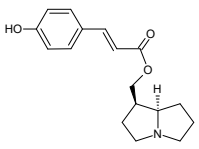
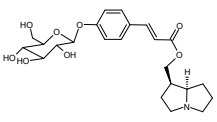
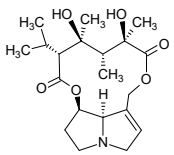
	**Spartioidine N-oxide** (15E)-Seneciphylline N-oxide from Senecio jacobea **Art.-Nr. 6323.95** >95.0 % [121123-61-3] $C_{18}H_{23}NO_6$ M_r 349.38	HPLC-DAD with UV-Spectrum	2.5 mg 5 mg	355 605
	**Spiraeoside** Quercetin 4'-glucoside from Filipendula ulmaria **Art. 3257.98** >98.0 % [20229-56-5] $C_{21}H_{20}O_{12}$ M_r 464.38	HPLC-DAD with UV-Spectrum	10 mg 20 mg	135 235
	**Sutherlandioside B** from Sutherlandia frutescens **Art. 5170.98** >98.0 % [1055329-47-9] $C_{36}H_{60}O_{10}$ M_r 652.87	HPLC-DAD with UV-Spectrum	10 mg 20 mg	175 310
	**Sutherlandioside D** from Sutherlandia frutescens **Art. 5171.95** >95.0 % [1055329-49-1] $C_{36}H_{58}O_9$ M_r 634.84	HPLC-DAD with UV-Spectrum	10 mg 20 mg	190 320
	**(+)-Taxifolin** Dihydroquercetin, Distylin from Pseudozuga menziesii **Art. 3211.99** >99.0 % [480-18-2] $C_{15}H_{12}O_7$ M_r 304.24	HPLC-DAD with UV-Spectrum	20 mg 50 mg	110 255
	**Thesinine** 4-Hydroxycinnamoyloxy-1-methylpyrrolizidine from Borago officinalis **Art.-Nr. 6327.97** >97.0 % [488-02-8] $C_{17}H_{21}NO_3$ M_r 287.35	HPLC-DAD with UV-Spectrum	1 mg 5 mg	200 500
	**Thesinine 4'-O-glucoside** from Borago officinalis **Art. 6328.97** >97.0 % [460730-79-4] $C_{23}H_{31}NO_8$ M_r 449.49	HPLC-DAD with UV-Spectrum	5 mg	400
	**Trichodesmine** from Crotalaria spec. **Art. 6322.98** >98.0 % [548-90-3] $C_{18}H_{27}NO_6$ M_r 353.41	HPLC-DAD with UV-Spectrum	5 mg 10 mg	195 340

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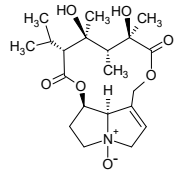
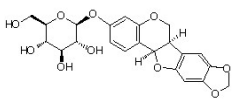
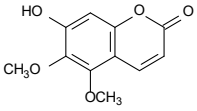
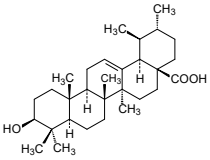
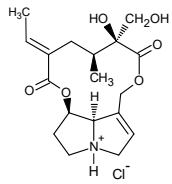
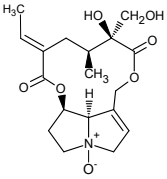
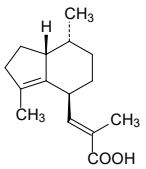
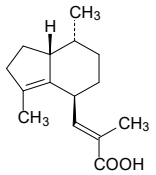
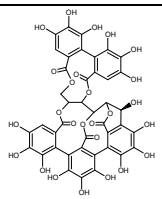
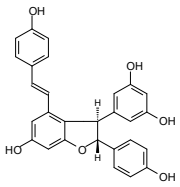
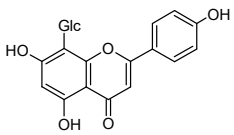
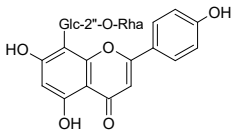
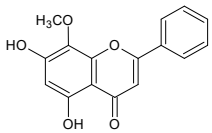
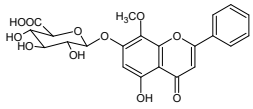
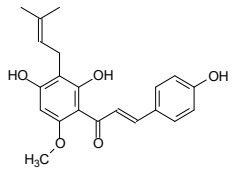
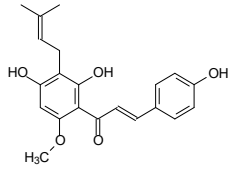
	**Trichodesmine N-oxide** from Crotalaria spec. **Art. 6363.97** >97.0 % [55727-46-3] $C_{18}H_{27}NO_7$ M_r 369.41	HPLC-DAD with UV-Spectrum	5 mg 10 mg	195 340
	**Trifolirhizin** from Baptisia tinctoria **Art. 3225.96** >96.0 % [6807-83-6] $C_{22}H_{22}O_{10}$ M_r 446.40	HPLC-DAD with UV-Spectrum	10 mg 20 mg	110 165
	**Umckalin** 7-Hydroxy-5,6-dimethoxycoumarin from Pelargonium sidoides **Art. 3501.99** >99.0 % [43053-62-9] $C_{11}H_{10}O_5$ M_r 222.19	HPLC-DAD with UV-Spectrum	5 mg 10 mg 20 mg	144 242 430
	**Ursolic acid** (3β)-3-Hydroxy-12-ursen-28-oic acid from Arctostaphylos uva ursi **Art. 5121.99** >99.0 % [77-52-1] $C_{30}H_{48}O_3$ M_r 456.71	HPLC-DAD with UV-Spectrum	20 mg 50 mg	100 200
	**Usaramine hydrochloride** Mucronatine hydrochloride from Senecio retrorsus **Art.-Nr. 6306.97** >97.0 % [15503-87-4] (Usaramine) $C_{18}H_{26}ClNO_6$ M_r 387.86	HPLC-DAD with UV-Spectrum	10 mg	200
	**Usaramine N-oxide** (15E)-Retrorsine N-oxide from Senecio retrorsus **Art. 6316.95** >95.0 % [117020-54-9] $C_{18}H_{25}NO_7$ M_r 367.40	HPLC-DAD with UV-Spectrum	10 mg	230
	**Valerenic acid** from Valeriana officinalis **Art. 4400.RS** >99.0 % [3569-10-6] $C_{15}H_{22}O_2$ M_r 234.34	HPLC-DAD (2 methods), TLC, Melting point, ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Elemental analysis, content of water, content of residual solvents	25 mg 50 mg 100 mg	325 500 850
	**Valerenic acid** from Valeriana officinalis **Art. 4400.99** >99.0 % [3569-10-6] $C_{15}H_{22}O_2$ M_r 234.34	HPLC-DAD with UV-Spectrum	10 mg 25 mg 50 mg 100 mg	100 190 335 600
	Verbascoside see Acteoside			

By ordering a single compound in the 5fold or 10fold quantity in one packing unit you will get a discount of 10 percent or 15 percent respectively.

Catalogue of Natural Compounds

Structure	Compound	Documents delivered	Quantity (unit)	Price [Euro]
	**Vescalagin** from Castanea sativa **Art. 3312.96** >96.0 % [36001-47-5] $C_{41}H_{26}O_{26}$ M_r 934.63	HPLC-DAD with UV-Spectrum	5 mg 10 mg	123 215
	**ε-Viniferin** trans-epsilon-Viniferin, (-)-ε-Viniferin from Vitis vinifera **Art. 3350.98** >98.0 % [62218-08-0] $C_{28}H_{22}O_6$ M_r 454.48	HPLC-DAD with UV-Spectrum	10 mg 20 mg	150 270
	**Vitexin** 8-Glucosylapigenin, Orientoside from Crataegus monogyna **Art. 3234.99** >99.0 % [3681-93-4] $C_{21}H_{20}O_{10}$ M_r 432.38	HPLC-DAD with UV-Spectrum	10 mg	130
	**Vitexin-2“-O-rhamnoside** from Crataegus monogyna **Art. 3236.99** >99.0 % [64820-99-1] $C_{27}H_{30}O_{14}$ M_r 578.53	HPLC-DAD with UV-Spectrum	10 mg 20 mg	105 183
	**Wogonin** 5,7-Dihydroxy-8-methoxyflavone from Scutellaria baicalensis **Art. 3213.97** >97.0 % [632-85-9] $C_{16}H_{12}O_5$ M_r 284.27	HPLC-DAD with UV-Spectrum	10 mg 20 mg	100 178
	**Wogonoside** Wogonin-7-β-D-glucopyranosiduronic acid Wogonin 7-glucuronide, Oroxindin from Scutellaria baicalensis **Art. 3214.97** >97.0 % [51059-44-0] $C_{22}H_{20}O_{11}$ M_r 460.39	HPLC-DAD with UV-Spectrum	10 mg 20 mg	140 250
	**Xanthohumol** from Humulus lupulus **Art. 3324.RS** >99.0 % [6754-58-1] or [569-83-5] $C_{21}H_{22}O_5$ M_r 354.40	HPLC-DAD, TLC ^{1}H-NMR, ^{13}C-NMR - (with Interpretation), UV, IR, MS, Melting point, content of water, content of residual solvents	20 mg 50 mg	320 595
	**Xanthohumol** from Humulus lupulus **Art. 3324.99** >99.0 % [6754-58-1] or [569-83-5] $C_{21}H_{22}O_5$ M_r 354.40	HPLC-DAD with UV-Spectrum	10 mg 20 mg 50 mg	140 205 410

If you are interested in substances not listed above we will check the producibility and would be pleased to send you an individual offer.

By ordering a single compound in the 5fold or 10fold quantity in one packing unit you will get a discount of 10 percent or 15 percent respectively.

Please pay attention to the following information:

Update

The catalogue may be updated several times a year.
You can keep you informed about the actual version by visiting our website at www.phytoplan.de or by ordering a hardcopy per e-Mail: phytoplan@t-online.de.

Delivery time

Depending on the country abroad the delivery time will be 2-5 days. The promised delivery time is listed in the order confirmation. In case of ordering greater quantities there may be longer terms of delivery of about 2-5 weeks. But we will keep you informed in any case if there is a delay in supply.

Discount

By ordering a single unit of the 5fold or 10fold quantity with respect to the greatest quantity listed we give you a discount of 10 percent or 15 percent respectively. If you are interested in bulk quantities we always will make you a special offer.

Shipment costs

Dependent on the country we must charge your parcel with different effective shipment costs. We will inform you about the costs on demand or in the order confirmation.

Payment conditions

Payment can only be made by free bank transfer to our account. Please use the following details:

Recepient: PHYTOPLAN Diehm & Neuberger GmbH
Bank: Heidelberger Volksbank eG - Kurfürstenanlage 8 (street) - 69115 Heidelberg, Germany
Bank Identifier Code (BIC): GENODE61HD1
interBank-Acc. No. (IBAN): DE67 6729 0000 0022590677

Information about the company

PHYTOPLAN Diehm & Neuberger GmbH
VAT ID: DE190955227
Registered office: Heidelberg
Registration court: Mannheim HRB 335859
Court of jurisdiction: Mannheim
Place of fulfilment: Heidelberg
CEO: Dr. Karl Neuberger
Dr. Michael Diehm

In case of order please indicate the substance, quality, item number and quantity you want to order. At least please send us the detailed shipping address inclusive postal code and the telephone number of a contact person.

Certificate of Analysis using the example of the reference substance Kaempferol-3-glucoside, Art. 3242.RS

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CERTIFICATE OF ANALYSIS

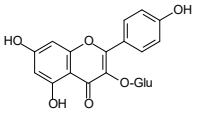
Date: 31.07.2001
CA-No.: 1051/1

Product name: Kaempferol-3-glucoside

Basic data

Denotation:	Kaempferol-3-glucoside
Batch No.:	0107202
CAS-No.:	[480-10-4]
Formula:	$C_{21}H_{20}O_{11}$
Molecular weight:	448.39
Storage temperature:	4 °C
Source:	Aesculus hippocastanum
Stable until:	July 2004
Last purity control:	July 2003
Date of manufacture:	July 2001
Article No.:	3242.RS

Molecular formula



DETERMINATION	SPECIFICATION	RESULT
Properties		
Appearance	yellow needles	conforms
Solubility	soluble in hot methanol, low soluble in water	conforms
Identity		
Melting point	165-175 °C (methanol/water)	168-170 °C; conforms
NMR* ^{1}H	accordant to reference spectrum	conforms
^{13}C	accordant to reference spectrum	conforms
IR*	consistent with structure	conforms
UV*	accordant to reference spectrum	conforms
	λ_{max} [nm] = 348, 265 ± 2	λ_{max} [nm] = 349.38; 265.52
	log $\varepsilon_{1cm,max}$ = 4.20, 4.32 ± 0.05	log $\varepsilon_{1cm,max}$ 4.21, 4.31
FAB-MS*	molecular ion peak at *m/z* 449 $[M+H]^+$	peak at *m/z* 449; conforms
Purity		
TLC*	1 band	1 band; conforms
HPLC*	content of impurities at 254 nm: < 1.0 %	0.49 %; conforms
	at spectrum max plot: < 1.0 %	0.64 %; conforms
Assay		
HPLC	99.0 % at 254 nm, Spectrum Max Plot	99.51, 99.36 %; conforms

Result: The product meets the requirements

Dr. M. Diehm
(Quality Control)

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Kaempferol-3-glucoside
Batch No.: 0107202

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Kaempferol-3-glucoside
Batch No.: 0107202

1. Manufacturing Procedure

Kaempferol-3-glucoside was isolated from the blooms of aesculus hippocastanum by an extraction process with methanol and ethyl acetate. A pure product was obtained by preparative column chromatography on an RP18-phase with methanol / water as eluent. The substance was crystallized from methanol / water (9:1) and dried at 40 °C / 10 mbar over a period of 24 hours.

2. Characteristics

Kaempferol-3-glucoside is stable to moisture and air and has only low tendency to be hydrolysed or to be oxidized. No hygroscopy was observed. In order to prevent any decompositon it should be stored at a dry place in a refrigerator.

3. Melting Point

Found: 168-170 °C (water / methanol 9:1)
Ref.[1]: 177-178°C (methanol)

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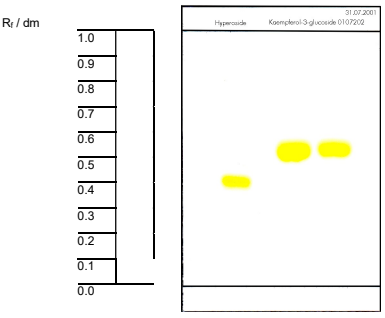
Kaempferol-3-glucoside
Batch No.: 0107202

4. TLC-Analysis

Parameters

Stationary phase:	Silica gel 60 F_{254}, 0.20 mm thickness (Art.-No. 1.05554, Merck, Darmstadt, Ger.)
Mobile phase:	Ethyl acetate / Formic acid / Water (20/2/3; v/v/v)
Sample solvent:	Methanol
Development length:	10 cm
Retention factor:	R_f = 0.54 (chamber saturation)
Detection:	UV_{254}, Diphenylboryloxyethylamine (Naturstoffreagenz A), 10 % in ethanol, after drying spraying with macrogel 400 / 10 min. at 110 °C; visualized at UV_{365}
Applied quantities:	20, 10 µg
Chromatogram:	1 spot with one very weak impurity below at R_f = 0.49 (UV_{365})
Reference:	Hyperoside

TLC-Chromatogram (1:1)



Trace 1: Hyperoside
Trace 2 + 3 : Kaempferol-3-glucoside, 20 µg, 10 µg; after spraying with Naturstoffreagenz A

Certificate of Analysis using the example of the reference substance Kaempferol-3-glucoside, Art. 3242.RS

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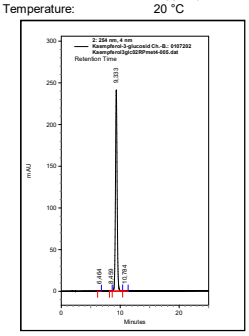
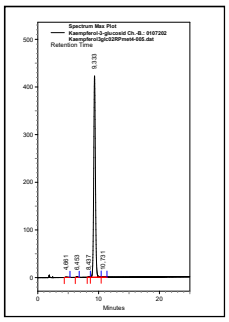
Kaempferol-3-glucoside
Batch No.: 0107202

5. HPLC-Analysis

Column Typ:	Eurospher 100-5 C18, 250 x 4 mm with integrated precolumn 5 x 4 mm
Sample solvent:	Methanol
Mobile phase:	Methanol/Acetonitrile/Orthophosphoric acid pH 2.5 (34/10/56, v/v/v)
Detection:	DAD, 210-450 nm
Injection vol.:	5 µL, c = 0.5 mg/mL
Flow rate:	1.00 mL/min.
Temperature:	20 °C





2: 254 nm, 4 nm

Pk #	Retention Time	Area	Area Percent	Capacity factor	Lambda Max
1	6,464	8515	0,18	2,23	257
2	8,459	5169	0,11	3,23	212
3	9,333	4726060	99,51	3,67	265
4	10,784	9453	0,20	4,39	214
Totals		4749197	100,00		

5: 265 nm, 4 nm

Pk #	Retention Time	Area	Area Percent	Capacity factor	Lambda Max
1	6,443	7671	0,13	2,22	257
2	8,448	6651	0,11	3,22	265
3	9,333	6021564	99,62	3,67	265
4	10,752	8753	0,14	4,38	212
Totals		6044639	100,00		

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Kaempferol-3-glucoside
Batch No.: 0107202

4: 355 nm, 4 nm

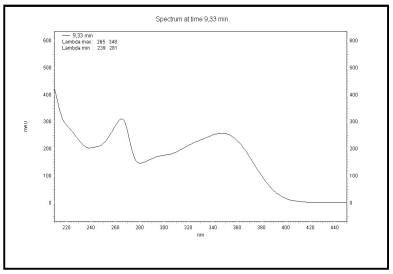
Pk #	Retention Time	Area	Area Percent	Capacity factor	Lambda Max
1	6,453	7052	0,14	2,23	259
2	8,448	5566	0,11	3,22	211
3	9,333	4861505	99,57	3,67	265
4	10,752	8572	0,18	4,38	212
Totals		4882695	100,00		

Spectrum Max Plot*)

Pk #	Retention Time	Area	Area Percent	Capacity factor	Lambda Max
1	4,661	11299	0,14	1,33	217
2	6,453	14319	0,17	2,23	252
3	8,437	9885	0,12	3,22	213
4	9,333	8295465	99,36	3,67	265
5	10,731	18038	0,22	4,37	217
Totals		8349006	100,00		

*) A Spectrum Max Plot is a chromatogram with each point plotted at its maximum absorbance. within the detection range This plot gives an indication of the appearance of the chromatogram when the wavelengths are optimized for each peak.

DAD UV-spectrum



The UV-spectrum recorded with HPLC-DAD at time 9.33 min. is consistant with the UV-spectrum of the isolated substance.

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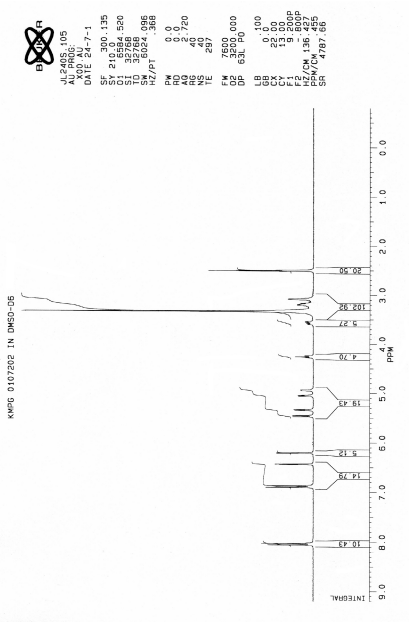
6. ^{1}H-NMR-Spectrum

300 MHz, 297 K, solvent: DMSO-d_6



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^{1}H-NMR-Spectrum

Peak List

Peak no	Point	ppm	Frequency (Hz)	Height
1	5562	12.615	3786.298	31.957
2	13010	8.053	2417.001	20.649
3	13020	8.047	2415.231	6.195
4	13030	8.041	2413.433	1.677
5	13058	8.024	2408.226	22.744
6	13072	8.015	2405.679	2.719
7	14898	6.897	2069.924	21.729
8	14920	6.883	2065.969	1.733
9	14948	6.866	2060.671	21.903
10	15652	6.435	1931.239	16.198
11	15662	6.429	1929.564	14.782
12	16020	6.209	1863.668	16.893
13	16032	6.202	1861.490	15.684
14	17226	5.470	1641.880	9.302
15	17264	5.447	1634.924	9.091
16	17434	5.343	1603.761	7.577
17	17458	5.329	1599.297	7.794
18	17906	5.054	1517.011	5.768
19	17930	5.039	1512.515	5.966
20	18084	4.945	1484.314	4.300
21	19180	4.274	1282.791	3.266
22	19210	4.256	1277.294	6.910
23	19240	4.237	1271.781	3.033
24	20294	3.591	1077.920	2.900
25	20320	3.576	1073.166	3.168
26	20352	3.556	1067.300	3.658
27	20382	3.538	1061.774	3.624
28	20888	3.228	968.804	1.514
29	20914	3.212	963.891	3.200
30	20934	3.199	960.206	5.344
31	20954	3.188	956.681	4.687
32	20970	3.178	953.711	3.822
33	20994	3.163	949.200	3.991
34	21128	3.080	924.523	9.123

Certificate of Analysis using the example of the reference substance Kaempferol-3-glucoside, Art. 3242.RS

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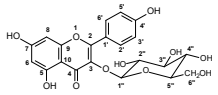
Kaempferol-3-glucoside
Batch No.: 0107202

^{1}H-NMR-Spectrum

300 MHz, 297 K, solvent: DMSO-d_6



Assignment of the signals
[500 MHz, solvent: $CDCl_3$, temperature: 303 K]

Assignment of the signals

Proton at C-Atom	Chemical shift	Comparison data[1]	Solvent-signals, OH-signals
6	6.21, d (2.0 Hz)	6.21, d (2.0 Hz)	2.50 (DMSO)
8	6.43, d (2.0 Hz)	6.44, d (2.0 Hz)	3.33 (water signal of the solvent)
2"	8.04, d (8.8 Hz)	8.04, d (8.8 Hz)	5.33, 5.04, 4.93, 4.25
3"	6.88, d (9.4 Hz)	6.88, d (8.8 Hz)	(OH-signals),
5'	6.88, d (9.4 Hz)	6.88, d (8.8 Hz)	12.62 (OH-O hydrogen bridge)
6"	8.04, d (8.8 Hz)	8.04, d (8.8 Hz)	
1"	5.46, d (7.3 Hz)	5.45, d (7.4 Hz)	
2"	3.08-3.19 m	no data cited	
3"	3.08-3.19 m		
4"	3.08-3.19 m		
5"	3.08-3.19 m		
6"A	3.08-3.19 m		
6"B	3.55, dd (5.0 Hz, 11.5 Hz)		

The assignment was performed with the help of the data given in Ref.[1].

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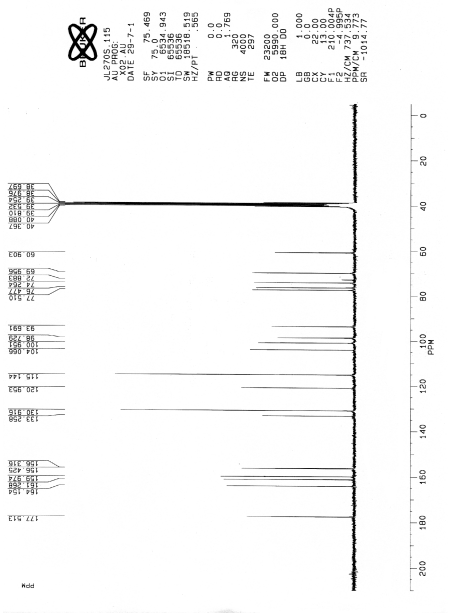
7. ^{13}C-NMR-Spectrum

75 MHz, 297 K, solvent: DMSO-d_6



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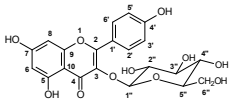
^{13}C-NMR-Spectrum

75 MHz, 297 K, solvent: DMSO-d_6



Assignment of the signals

C-Atom	Chemical shift	Comparison data[3]	Solvent-signals
2	156.4	156.3	38.7 – 40.4 (DMSO)
3	133.3	133.0	
4	177.5	177.5	
5	161.2	161.1	
6	98.7	98.7	
7	164.1	164.1	
8	93.7	93.6	
9	156.3	156.3	
10	104.1	104.1	
1'	121.0	121.0	
2"	130.9	130.7	
3"	115.1	115.0	
4"	160.0	159.8	
5'	115.1	115.0	
6'	130.9	130.7	
1"	101.0	101.4	
2"	74.3	74.2	
3"	76.5	76.5	
4"	70.0	70.1	
5"	77.5	77.2	
6"	60.9	61.0	

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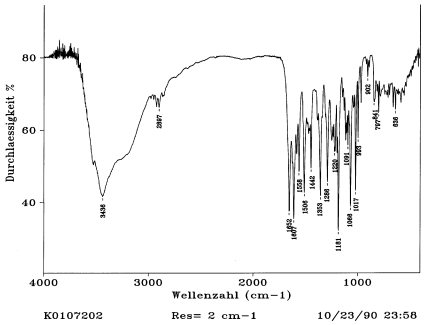
8. F

KBr



No	cm-1	%T	Intensity	No	cm-1	%T	Intensity
1	554.00	74.025	W	15	1246.00	67.923	M
2	584.00	72.624	W	16	1286.00	56.564	M
3	636.00	71.563	M	17	1353.00	52.707	S
4	657.00	72.603	W	18	1442.00	60.393	M
5	797.00	73.287	W	19	1466.00	69.857	M
6	837.00	76.953	W	20	1506.00	53.644	M
7	965.00	78.205	W	21	1558.00	59.498	M
8	993.00	68.545	M	22	1579.00	64.324	M
9	1017.00	54.019	M	23	1607.00	46.474	S
10	1066.00	49.720	S	24	1649.00	48.716	S
11	1091.00	66.601	M	25	2897.00	60.715	M
12	1112.00	67.983	M	26	2920.00	60.451	M
13	1181.00	43.075	S	27	3435.00	27.065	VS
14	1220.00	64.828	M	28	3524.00	34.486	S

Certificate of Analysis using the example of the reference substance Kaempferol-3-glucoside, Art. 3242.RS

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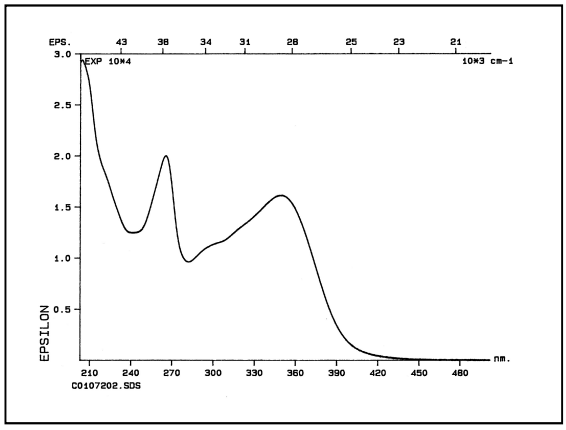
9. UV-VIS-Spectrum

Solvent: Methanol (UVASOL, Merck)
Conc.: 6.7×10^{-5} mol/l



Result

Maxima: λ_{max} [nm]	log ε_{max}	Minima: λ_{min} [nm]	log ε_{min}
349.38	4.21	282.17	3.99
265.52	4.31	240.55	4.10

Data given in Ref.[1]: λ_{max} [nm] log ε: 348.7 (4.20), 265.5 (4.35).

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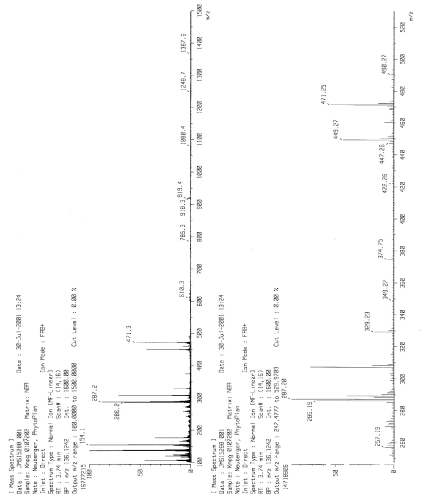
10. FAB⁺-MASS Spectrum



Result

The measurement technic of the FAB⁺-MS mode leads to the molecule ions $[M+H]^+$ and $[M+Na]^+$. The peaks at *m/z* 449 (448+1) and m/z 471 (448+23) show the expected molecular mass (448) of Kaempferol-3-glucosid. Most other detected peaks derived from the NBA-matrix.

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11. Instrumentation

Determination	Apparatus
Melting Point	MEL-TEMP II apparatus, Laboratory Devices, USA
HPLC-Analysis	Pump: Shimadzu LC-10ADvp Detector (DAD): Shimadzu SPD-M10Avp Injector: Rheodyne 7725i, 10 µL loop
^{1}H-NMR-Spectrum	Bruker AM 300
^{13}C-NMR-Spectrum	Bruker AM 300
UV-VIS-Spectrum	Varian CARY 2300 Spectralphotometer
FT-IR-Spektrum	FT-IR-Spectrometer 1760X Perkin-Elmer
FAB⁺-MASS Spectrum	JEOL JMS-700

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12. References

[1] T. Sekine et al., Chem. Pharm. Bull., **1993**, *41*(6), 1185-87.

[2] K. R. Markham, T. J. Marbry, Carbon-13 NMR Studies of Flavonoids-III, Tetrahedron, **1978**, *34*, 1389-97.