Product List 2019

Reference Substances
Natural Compounds

PHYTOPLAN Diehm & Neuberger GmbH
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Germany

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Internet: www.Phytoplan.com
Dear customer,

We are pleased to introduce our new catalogue for the year 2019. Therein you will find many new products and also a greater range in the qualities of the compounds differing in the degree of purity and the documents delivered. Please decide which item is the proper choice for your purpose.

**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**

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 a purity predominantly in the range of 95.0 – 99.0 %. The current purity 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.

Bank connection

PHYTOPLAN Diehm & Neuberger GmbH (company)
Bank account:
Heidelberger Volksbank eG (bank)
Kurfürstenanlage 8 (street)
D-69115 Heidelberg (postal code, city)
Germany
Bank Identifier Code (BIC): GENODE61HD1
interBank-Acc. No. (IBAN): DE67 6729 0000 0022 5906 77
VAT ID: DE190955227

For inquiry please contact:
Mr. Dr. Michael Diehm or Mr. Dr. Karl Neuberger
Phone: 0049 6221 401347,
Fax: 0049 6221 437664,
email: phytoplan@t-online.de, Website: www.phytoplan.de
<table>
<thead>
<tr>
<th>Compound Name</th>
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</thead>
<tbody>
<tr>
<td>Actein</td>
</tr>
<tr>
<td>Acteoside</td>
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<tr>
<td>Agnuside</td>
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<tr>
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<td>Cyanidin 3-glucoside chloride</td>
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<td>Cyanidin 3-sambubioside chloride</td>
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<td>Eleutheroside E</td>
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<td>Emodin (Frangula-)</td>
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<td>Eupatorin</td>
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<td>Europine hydrochloride</td>
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<td>Europine N-oxide</td>
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<td>Frangulin (A + B)</td>
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<tr>
<td>Frangulin A</td>
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<tr>
<td>Frangulin B</td>
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</table>
List of available compounds

G
(-)-Gallocatechin
[6]-Gingerol
[8]-Gingerol
[10]-Gingerol
Ginkgolide A
Ginkgolide B
Ginkgolide C
Ginkgolic acids RN
Glucoalyssin
Glucoarabin
Glucoberteroin
Glucohesperin
Glucohirsutin
Glucobrassicin
Glucobrassicin
Glucocamelinin
Glucocapparin
Glukocheirolin
Glucoerucin
Glucomoringin
Glucohesperin
Glucoiberin
Glucoiberin
Glucoiberin
Hammelitannin
Harpagide
Harpagoside
Hederaacoside C
Hederagenin
α-Hederin
Heliosupine
Heliosupine N-oxide
Heliotridine
Heliotridine N-oxide
Heliotrine
Heliotrine N-oxide
Hesperetin
Hesperidin
Homoorientin
7-Hydroxyaristolochic acid I
4-Hydroxyglucobrassicin
13-Hydroxylupanine
18-Hydroxyxpartiodide
Hydroxytyrosol
Hydroxyvalereneic acid
Hyperforin/Adhyperforin DCHA salt
Hypercin
Hypercin sodium salt
Hyperoside

H
Hamamelitannin
Harpagide
Harpagoside
Hederaacoside C
Hederagenin
α-Hederin
Heliosupine
Heliosupine N-oxide
Heliotridine
Heliotridine N-oxide
Heliotrine
Heliotrine N-oxide
Hesperetin
Hesperidin
Homoorientin
7-Hydroxyaristolochic acid I
4-Hydroxyglucobrassicin
13-Hydroxylupanine
18-Hydroxyxpartiodide
Hydroxytyrosol
Hydroxyvalereneic acid
Hyperforin/Adhyperforin DCHA salt
Hypercin
Hypercin sodium salt
Hyperoside

I
Icariin
Indicine hydrochloride
Indicine N-oxide

Integerrime
Integerrime N-oxide
Intermedine
Intermedine N-oxide
Isoleacteoside
Isoorientin
Isoquercitrin
Isorhamnetin
Isoverbascoside
Isovitexin
Isoxanthohumol

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

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

L
Lasiocarpine
Lasiocarpine N-oxide
Leiocarposide
Linarin
Lucidin 3-primveroside
Lupanine
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
11-(Methylsulfinyl)undecylglucosinolate
Monocrotaline
Monocrotaline N-oxide
Morindin
Myricitrin
List of available compounds

N
Narciasine
Naringenin
Naringin
Neoglucobrassicin

O
Oenin chloride
Oleuropein
α-Onocerin
Orientin
Otonecin

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-glucoside chloride
Picroside II
Primin
Primulaverin
Primverin
Progoitrin
Protopine
Pseudohypericin
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
Ruberythric acid
Rutin
Ryanodine

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

T
(+)-Taxifolin
Trichodesmine
Trifolirhizin

U
Umckalin
Ursolic acid
Usaramine
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 classes of compounds:

**Anthocyanins**
- 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
- Cyanin chloride
- Delphinidin 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
- Malvin chloride
- Oenin 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-glucoside chloride

**Glucosinolates**
- Epiprogoitrin
- Glucoalyssin
- Glucaorabin
- Glucobarbarin
- Glucoboteroin
- Glucobrassicin
- Glucobarbarin
- Glucocamelin
- Glucocapparin
- Glucocheirolin
- Glucoceresin
- Gluconesperin
- Glucohirsutin
- Glucoiberin
- Glucoimmon
- Glucobrassicin
- Lasiocarpin
- Lasiocarpin N-oxide
- Lycopsamine
- Lycopsamine N-oxide
- Merenskine
- Merenskine N-oxide
- Merepoxine
- Merepoxine N-oxide
- Monocrotaline
- Monocrotaline N-oxide
- Otonecin
- Retronecine
- Retronecine N-oxide
- Retrorsine
- Retrorsine N-oxide
- Riddelline
- Riddelline N-oxide
- Rinderine
- Rinderine N-oxide
- Sceleratine
- Sceleratine N-oxide
- Senecionine
- Senecionine N-oxide
- Seneciphylline
- Seneciphylline N-oxide
- Senecivernine
- Senecivernine N-oxide
- Senkirkine
- Spartioidine
- Trichodesmine
- Usaramine
- Usaramine N-oxide

**Pyrrolizidine Alkaloids**
- 7-O-Acetylnicotine
- 7-O-Acetylnicotine N-oxide
- 7-O-Acetyllycopsamine
- 7-O-Acetyllycopsamine N-oxide
- Echimidine
- Echimidine N-oxide
- Echinatine
- Echinatine N-oxide
- Erucifoline
- Erucifoline N-oxide
- Europine hydrochloride
- Europine N-oxide
- Heliotrine
- Heliotrine N-oxide
- 18-Hydroxysoaptoxine
- Indicine hydrochloride
- Indicine N-oxide
- Integemannine
- Integemannine N-oxide
- Intermedine
- Intermedine N-oxide
- Jacobine
- Jacobine N-oxide
- Jacoline
- Jacoline N-oxide
- Jaconine
### Catalogue of Natural Compounds

<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
</table>
| ![Acacetin](image) | **Acacetin**  
Linarinigenin, 5,7-Dihydroxy-4'-methoxyflavone from Robinia pseudoacacia  
**Art. 3209.99**  
[480-44-4]  
C_{16}H_{12}O_{5}  
M, 284.26 | HPLC-DAD with UV-Spectrum | 20 mg | 130 |
| | | | 50 mg | 265 |
| ![Acetoxyvalerenic acid](image) | **Acetoxyvalerenic acid**  
from Valeriana officinalis  
**Art. 4402.99**  
[81397-67-3] or [84638-55-1]  
C_{17}H_{24}O_{4}  
M, 292.37 | HPLC-DAD (2 methods), TLC (2 methods), 1H-NMR, 13C-NMR - (with interpretation), UV, IR, MS, solvent residue, water content | 25 mg | 365 |
| ![Acetoxyvalerenic acid](image) | **Acetoxyvalerenic acid**  
from Valeriana officinalis  
**Art. 4402.RS**  
[81397-67-3] or [84638-55-1]  
C_{17}H_{24}O_{4}  
M, 292.37 | HPLC-DAD with UV-Spectrum | 10 mg | 170 |
| | | | 25 mg | 278 |
| ![6-O-Acetylacteoside](image) | **6-O-Acetylacteoside**  
from Harpagophytum procumbens  
**Art. 6100.99**  
[441769-43-3]  
C_{31}H_{38}O_{16}  
M, 666.64 | HPLC-DAD with UV-Spectrum | 10 mg | 115 |
| | | | 20 mg | 199 |
| | | | 50 mg | 395 |
| ![3-O-Acetyl-α-boswellic acid](image) | **3-O-Acetyl-α-boswellic acid**  
(3α,4β)-3-Acetoxyolean-12-ene-23-oic acid from Boswellia serrata  
**Art. 5154.99**  
[89913-60-0]  
C_{32}H_{50}O_{4}  
M, 498.73 | HPLC-DAD with UV-Spectrum | 5 mg | 140 |
| | | | 10 mg | 235 |
| | | | 20 mg | 398 |
| ![3-O-Acetyl-β-boswellic acid](image) | **3-O-Acetyl-β-boswellic acid**  
(3α,4β)-3-Acetoxyurs-12-ene-23-oic acid from Boswellia serrata  
**Art. 5151.99**  
[5968-70-7]  
C_{32}H_{50}O_{4}  
M, 498.73 | HPLC-DAD with UV-Spectrum | 5 mg | 135 |
| | | | 10 mg | 210 |
| | | | 20 mg | 375 |
| ![3-O-Acetyl-9,11-dehydro-β-boswellic acid](image) | **3-O-Acetyl-9,11-dehydro-β-boswellic acid**  
(3α,4β)-3-Acetoxyurs-10,12-diene-23-oic acid Acetyl-α-boswellic acid from Boswellia serrata  
**Art. 5156.98**  
[122651-20-1]  
C_{32}H_{48}O_{4}  
M, 496.71 | HPLC-DAD with UV-Spectrum | 5 mg | 225 |
| | | | 10 mg | 386 |
| ![7-O-Acetylintermedine](image) | **7-O-Acetylintermedine**  
from Symphytum  
**Art. 6276.95**  
[74243-01-9]  
C_{17}H_{26}NO_{6}  
M, 341.40 | HPLC-DAD with UV-Spectrum | 5 mg | 205 |
| | | | 10 mg | 360 |

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.
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<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
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</thead>
<tbody>
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<td><img src="image1.png" alt="Structure" /></td>
<td>7-O-Acetyllintermedine N-oxide</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>205</td>
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<tr>
<td>from Symphytum officinale</td>
<td>10 mg</td>
<td>360</td>
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<td>Art. 6277.95</td>
<td>&gt;95.0 %</td>
<td>C_{17}H_{27}NO_{7}, M = 357.40</td>
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<td>3-O-Acetyl-11-keto-β-boswellic acid</td>
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<td>3α-Acetoxyurs-12-ene-11-keto-23-oic acid</td>
<td>10 mg</td>
<td>198</td>
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<tr>
<td>from Boswellia serrata</td>
<td>20 mg</td>
<td>344</td>
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<tr>
<td>Art. 5153.99</td>
<td>&gt;99.0 %</td>
<td>[67416-61-9] C_{32}H_{48}O_{5}, M = 512.73</td>
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<td>HPLC-DAD with UV-Spectrum</td>
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<td>210</td>
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<td>Lycopsamine 1'-acetate</td>
<td>10 mg</td>
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<td>from Symphytum</td>
<td>Art. 6272.95</td>
<td>&gt;95.0 %</td>
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<tr>
<td>from Symphytum</td>
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<td>365</td>
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<tr>
<td>Art. 6273.97</td>
<td>&gt;97.0 %</td>
<td>C_{17}H_{27}NO_{7}, M = 357.40</td>
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<tr>
<td><img src="image5.png" alt="Structure" /></td>
<td>Actein</td>
<td>HPLC-DAD (2 methods), TLC, 1H-NMR, 13C-NMR - (with Interpretation), IR, MS, Melting point</td>
<td>10 mg</td>
<td>330</td>
</tr>
<tr>
<td>from Cimicifuga racemosa</td>
<td>20 mg</td>
<td>580</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art. 3506.RS</td>
<td>&gt;99.0 %</td>
<td>[18642-44-9] C_{37}H_{56}O_{11}, M = 676.84</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image6.png" alt="Structure" /></td>
<td>Actein</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>165</td>
</tr>
<tr>
<td>from Cimicifuga racemosa</td>
<td>10 mg</td>
<td>215</td>
<td></td>
<td></td>
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<tr>
<td>Art. 3506.99</td>
<td>&gt;99.0 %</td>
<td>[18642-44-9] C_{37}H_{56}O_{11}, M = 676.84</td>
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<tr>
<td><img src="image7.png" alt="Structure" /></td>
<td>Acteoside</td>
<td>HPLC-DAD, TLC, 1H-NMR, 13C-NMR - (with Interpretation), UV, IR, MS</td>
<td>20 mg</td>
<td>320</td>
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<tr>
<td>Verbascoside</td>
<td>50 mg</td>
<td>640</td>
<td></td>
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<tr>
<td>from Paulownia tormentosa</td>
<td>Art. 6101.RS</td>
<td>&gt;98.0 %</td>
<td>[61276-17-3] C_{29}H_{48}O_{15}, M = 624.59</td>
<td></td>
</tr>
<tr>
<td><img src="image8.png" alt="Structure" /></td>
<td>Acteoside</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>135</td>
</tr>
<tr>
<td>Verbascoside</td>
<td>20 mg</td>
<td>235</td>
<td></td>
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<tr>
<td>from Paulownia tormentosa</td>
<td>Art. 6101.98</td>
<td>&gt;98.0 %</td>
<td>[61276-17-3] C_{29}H_{48}O_{15}, M = 624.59</td>
<td>50 mg</td>
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</table>
### Catalogue of Natural Compounds

<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
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<tbody>
<tr>
<td><img src="image1.png" alt="Structure" /></td>
<td><strong>Agnuside</strong></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td>10-p-Hydroxybenzoylaucubin from Vitex agnus castus</td>
<td>20 mg</td>
<td>230</td>
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<tr>
<td>Art. 2102.99 [11027-63-7]</td>
<td>C_{22}H_{26}O_{11}, M: 466.44</td>
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<td><img src="image2.png" alt="Structure" /></td>
<td><strong>Aloe-Emodin</strong></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
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<tr>
<td>1,8-Dihydroxy-3-(hydroxymethyl)-anthraquinone synthetic</td>
<td>50 mg</td>
<td>265</td>
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<tr>
<td>Art. 3714.99 [481-72-1]</td>
<td>C_{15}H_{10}O_{5}, M: 270.23</td>
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<tr>
<td><img src="image3.png" alt="Structure" /></td>
<td><strong>Aloenin A</strong></td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td>from Aloe arborescens</td>
<td>20 mg</td>
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<td>Art. 4105.99 [38412-46-3]</td>
<td>C_{19}H_{22}O_{10}, M: 410.38</td>
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<td><img src="image4.png" alt="Structure" /></td>
<td><strong>Amarogentin</strong></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<td>from Gentiana lutea</td>
<td>20 mg</td>
<td>272</td>
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<tr>
<td>Art. 2122.99 [21018-84-8]</td>
<td>C_{29}H_{30}O_{13}, M: 586.54</td>
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<td><img src="image5.png" alt="Structure" /></td>
<td><strong>Amentoflavone</strong></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>100</td>
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<tr>
<td>1',3',II8-Biapigenin, Didemethylginkgetin from Ginkgo biloba</td>
<td>20 mg</td>
<td>175</td>
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<td>Art. 3285.99 [1617-53-4]</td>
<td>C_{30}H_{18}O_{10}, M: 538.47</td>
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<td><img src="image6.png" alt="Structure" /></td>
<td><strong>Angustifoline</strong></td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>Jamaicensine from Lupinus angustifolius</td>
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<tr>
<td>Art. 6320.95 [550-43-8]</td>
<td>C_{14}H_{20}N_{2}O, M: 234.34 g/mol</td>
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<tr>
<td><img src="image7.png" alt="Structure" /></td>
<td><strong>Apigenin</strong></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
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<tr>
<td>4',5,7-Trihydroxyflavone from Chamomillae romana</td>
<td>50 mg</td>
<td>205</td>
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<tr>
<td>Art. 3205.99 [520-36-5]</td>
<td>C_{15}H_{10}O_{6}, M: 270.23</td>
<td>100 mg</td>
<td>390</td>
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<td><img src="image8.png" alt="Structure" /></td>
<td><strong>Apigenin</strong></td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td>4',5,7-Trihydroxyflavone from Chamomillae romana</td>
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<tr>
<td>Art. 3205.97 [520-36-5]</td>
<td>C_{15}H_{10}O_{6}, M: 270.23</td>
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<tr>
<td>Structure</td>
<td>Compound</td>
<td>Documents delivered</td>
<td>Quantity (unit)</td>
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<tr>
<td><img src="image" alt="Apigenin 7-glucoside" /></td>
<td>Apigenin 7-glucoside&lt;br&gt;Apigetrin, Cossmetin, 7-Glucosylapigenin from Chamomillae romana&lt;br&gt;Art. 3207.RS [578-74-5] C_{21}H_{20}O_{10} M, 432.38</td>
<td>HPLC-DAD (2 methods) TLC, ¹H-NMR, ¹³C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
<td>285</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>560</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>100 mg</td>
<td>820</td>
</tr>
<tr>
<td><img src="image" alt="Apigenin 7-glucoside" /></td>
<td>Apigenin 7-glucoside&lt;br&gt;Apigetrin, Cossmetin, 7-Glucosylapigenin from Chamomillae romana&lt;br&gt;Art. 3207.99 [578-74-5] C_{21}H_{20}O_{10} M, 432.38</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>340</td>
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<tr>
<td><img src="image" alt="Apigenin 7-glucoside" /></td>
<td>Apigenin 7-glucoside&lt;br&gt;Apigetrin, Cossmetin, 7-Glucosylapigenin from Chamomillae romana&lt;br&gt;Art. 3207.97 [578-74-5] C_{21}H_{20}O_{10} M, 432.38</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>100 mg</td>
<td>150</td>
</tr>
<tr>
<td><img src="image" alt="Apin" /></td>
<td>Apin&lt;br&gt;Apioside, Apigenin 7-apiosylglucoside from Petroselinum crispum&lt;br&gt;Art. 3244.98 [26544-34-3] C_{26}H_{28}O_{14} M, 564.50</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>182</td>
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<td></td>
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<td>20 mg</td>
<td>325</td>
</tr>
<tr>
<td><img src="image" alt="Aristolochic acid" /></td>
<td>Aristolochic acid&lt;br&gt;mixture of Aristolochic acids with Aristolochic acid I and II as main components from Aristolochia clematitis&lt;br&gt;Art. 4610.96 [67123-64-2]</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>500 mg</td>
<td>230</td>
</tr>
<tr>
<td><img src="image" alt="Aristolochic acid Sodium salt" /></td>
<td>Aristolochic acid Sodium salt&lt;br&gt;mixture of Aristolochic acids I und II as main components, Sodium salt from Aristolochia clematitis&lt;br&gt;Art. 4615.96 [10190-99-5]</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>250 mg</td>
<td>205</td>
</tr>
<tr>
<td></td>
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<td>500 mg</td>
<td>350</td>
</tr>
<tr>
<td><img src="image" alt="Aristolochic acid I" /></td>
<td>Aristolochic acid I&lt;br&gt;Aristolochic acid A, Aristolochin from Aristolochia clematitis&lt;br&gt;Art. 4611.99 [313-67-7] C_{17}H_{11}NO_{7} M, 341.28</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>185</td>
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<td></td>
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<td>50 mg</td>
<td>365</td>
</tr>
<tr>
<td><img src="image" alt="Aristolochic acid I" /></td>
<td>Aristolochic acid I&lt;br&gt;Aristolochic acid A, Aristolochin from Aristolochia clematitis&lt;br&gt;Art. 4611.96 [313-67-7] C_{17}H_{11}NO_{7} M, 341.28</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>250 mg</td>
<td>290</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>500 mg</td>
<td>510</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Structure</th>
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<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Aristolochic acid II" /></td>
<td>Aristolochic acid II</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>230</td>
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<tr>
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<td></td>
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<td>50 mg</td>
<td>470</td>
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<tr>
<td><img src="image2" alt="Aristolochic acid II" /></td>
<td>Aristolochic acid II</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>250 mg</td>
<td>430</td>
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<tr>
<td><img src="image3" alt="Aristolochic acid C" /></td>
<td>Aristolochic acid C</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>470</td>
</tr>
<tr>
<td><img src="image4" alt="Aristolochic acid D" /></td>
<td>Aristolochic acid D</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>300</td>
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<td>20 mg</td>
<td>560</td>
</tr>
<tr>
<td><img src="image5" alt="Aristolochic acid I, 7-Hydroxy-" /></td>
<td>Aristolochic acid I, 7-Hydroxy-</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
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<tr>
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<td></td>
<td>50 mg</td>
<td>395</td>
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<tr>
<td><img src="image6" alt="Auscubin" /></td>
<td>Auscubin</td>
<td>HPLC-DAD (2 methods), TLC, ¹H-NMR, ¹³C-NMR - (with interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
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<td></td>
<td></td>
<td>50 mg</td>
<td>255</td>
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<tr>
<td><img src="image7" alt="Azadirachtin" /></td>
<td>Azadirachtin</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>1 mg</td>
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<td>5 mg</td>
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<td>10 mg</td>
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<tr>
<td><img src="image8" alt="Baicalein" /></td>
<td>Baicalein</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>160</td>
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<td></td>
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<td>50 mg</td>
<td>320</td>
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</table>

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# Catalogue of Natural Compounds

<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
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<tbody>
<tr>
<td><img src="image" alt="Baicalin" /></td>
<td><strong>Baicalin</strong>&lt;br&gt;5,6,7-Trihydroxyflavone 7-glucuronide&lt;br&gt;Baicalin-7-β-D-glucopyranosiduronic acid from Scutellaria baicalensis</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>136</td>
</tr>
<tr>
<td></td>
<td>Art. 3206.99 [21967-41-9]&lt;br&gt;C₂₁H₁₈O₁₁ M. 446.37</td>
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<td>50 mg</td>
<td>270</td>
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<td><img src="image" alt="Bergamottin" /></td>
<td><strong>Bergamottin</strong>&lt;br&gt;5-Geranoxypsoralen from Oleum bergamottae</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>120</td>
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<tr>
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<td>Art. 2114.99 [7380-40-7]&lt;br&gt;C₂₁H₂₂O₄ M. 338.42</td>
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<td>50 mg</td>
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<tr>
<td><img src="image" alt="Betulin" /></td>
<td><strong>Betulin</strong>&lt;br&gt;Lup-20(29)-ene-3,28-diol, Betulinol from Betula pendula</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>1 g</td>
<td>130</td>
</tr>
<tr>
<td></td>
<td>Art. 5142.97 [473-98-3]&lt;br&gt;C₃₀H₄₆O₂ M. 442.73</td>
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<tr>
<td><img src="image" alt="Betulinic acid" /></td>
<td><strong>Betulinic acid</strong>&lt;br&gt;3β-Hydroxy-lup-20(29)-ene-28-acid from Platanus acerifolia</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>100</td>
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<tr>
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<td>Art. 5144.97 [472-15-1]&lt;br&gt;C₃₀H₄₄O₃ M. 456.71</td>
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<td>50 mg</td>
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<tr>
<td><img src="image" alt="(-)-Bilobalide" /></td>
<td><strong>(-)-Bilobalide</strong>&lt;br&gt;from Ginkgo biloba</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>105</td>
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<tr>
<td></td>
<td>Art. 4255.98 [33570-04-6]&lt;br&gt;C₁₅H₁₂O₉ M. 326.30</td>
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<td>20 mg</td>
<td>180</td>
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<tr>
<td><img src="image" alt="α-Boswellic acid" /></td>
<td><strong>α-Boswellic acid</strong>&lt;br&gt;(3α,4β)-3-Hydroxyolean-12-ene-23-oic acid from Boswellia serrata</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>135</td>
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<tr>
<td></td>
<td>Art. 5155.99 [471-66-9]&lt;br&gt;C₃₀H₄₈O₃ M. 456.73</td>
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<td>10 mg</td>
<td>230</td>
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<td></td>
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<td>20 mg</td>
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<td><img src="image" alt="β-Boswellic acid" /></td>
<td><strong>β-Boswellic acid</strong>&lt;br&gt;(3α,4β)-3-Hydroxyurs-12-ene-23-oic acid from Boswellia serrata</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>131</td>
</tr>
<tr>
<td></td>
<td>Art. 5150.99 [631-69-6]&lt;br&gt;C₃₀H₄₈O₃ M. 456.73</td>
<td></td>
<td>10 mg</td>
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<td></td>
<td>20 mg</td>
<td>375</td>
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<tr>
<td><img src="image" alt="Caftaric acid" /></td>
<td><strong>Caftaric acid</strong>&lt;br&gt;2-Caffeoyltartaric acid from Echinacea pallida</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>207</td>
</tr>
<tr>
<td></td>
<td>Art. 6106.98 [67879-58-7]&lt;br&gt;C₁₃H₁₂O₆ M. 312.24</td>
<td></td>
<td>20 mg</td>
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</tr>
</tbody>
</table>

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</thead>
</table>
| ![Castalagin Structure](image) | **Castalagin** from Castanea sativa  
Art. 3311.97  
[24312-00-3]  
C_{41}H_{26}O_{26} M. 934.63  
>97.0 %  
[24312-00-3] | HPLC-DAD with UV-Spectrum | 10 mg | 184 |
| |  |  | 20 mg | 346 |
| ![Castalin Structure](image) | **Castalin** from Castanea sativa  
Art. 3310.97  
[19086-75-0]  
C_{27}H_{20}O_{18} M. 632.43  
>97.0 %  
[24312-00-3] | HPLC-DAD with UV-Spectrum | 10 mg | 198 |
| |  |  | 20 mg | 365 |
| ![Casticin Structure](image) | **Casticin**  
Vitexicarpin from Vitex agnus castus  
Art. 3238.99  
[479-91-4]  
C_{19}H_{18}O_{8} M. 374.32  
>99.0 %  
[24312-00-3] | HPLC-DAD with UV-Spectrum | 10 mg | 140 |
| |  |  | 20 mg | 245 |
| ![Catalpol Structure](image) | **Catalpol** from Picrorhiza kurrooa  
Art. 2109.99  
[2415-24-9]  
C_{15}H_{22}O_{10} M. 362.33  
>99.0 %  
[24312-00-3] | HPLC-DAD with UV-Spectrum | 20 mg | 140 |
| |  |  | 50 mg | 280 |
| ![(-)-Catechin Structure](image) | **(-)-Catechin**  
(-)-Catechol, 3,3',4',5,7-Pentahydroxyflavan from Acacia catechu  
Art. 3303.97  
[18829-70-4]  
C_{13}H_{18}O_{6} M. 290.27  
>97.0 %  
[24312-00-3] | HPLC-DAD with UV-Spectrum | 10 mg | 160 |
| |  |  | 20 mg | 270 |
| ![(+)-Catechin Structure](image) | **(+)-Catechin**  
(+)-Catechol, Cianidanol from Acacia catechu  
Art. 3304.99  
[154-23-4]  
C_{13}H_{18}O_{6} M. 290.27  
>99.0 %  
[24312-00-3] | HPLC-DAD with UV-Spectrum | 20 mg | 120 |
| |  |  | 50 mg | 242 |
| ![Cephaeline dihydrobromide Structure](image) | **Cephaeline dihydrobromide**  
Desmethylemetin dihydrobromide from Ipecacuanha  
Art. 6304.97  
[8014-81-9]  
C_{29}H_{30}N_{2}O_{9} x 2HBr M. 628.43  
>97.0 %  
[24312-00-3] | HPLC-DAD with UV-Spectrum | 20 mg | 130 |
| |  |  | 50 mg | 210 |
| ![α-Chaconine Structure](image) | **α-Chaconine** from Solanum tuberosum  
Art. 6208.98  
[20562-03-2]  
C_{48}H_{72}NO_{14} M. 852.04  
>98.0 %  
[24312-00-3] | HPLC-DAD with UV-Spectrum | 5 mg | 149 |
| |  |  | 10 mg | 265 |

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

<table>
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<tr>
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<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Chamaemeloside structure" /></td>
<td>Chamaemeloside</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>200</td>
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<tr>
<td><img src="image" alt="Apigenin-7-6&quot;-(3-hydroxy-3-methylglutaryl)glucoside" /></td>
<td>Apigenin-7-6&quot;-(3-hydroxy-3-methylglutaryl)glucoside] from Anthemis nobilis</td>
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<tr>
<td>Art. 3208.98</td>
<td>&gt;98.0 %</td>
<td>C_27H_30O_14</td>
<td>M_1 576.51</td>
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<td><img src="image" alt="Chebulinic acid structure" /></td>
<td>Chebulinic acid</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td><img src="image" alt="Eutanin" /></td>
<td>Eutanin from Terminalia chebula</td>
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<td>20 mg</td>
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<tr>
<td>Art. 3316.97</td>
<td>&gt;97.0 %</td>
<td>C_41H_32O_27</td>
<td>M_1 956.68</td>
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<td><img src="image" alt="Chelidonine structure" /></td>
<td>Chelidonine</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td><img src="image" alt="Stylophorin" /></td>
<td>Stylophorin from Chelidonium majus</td>
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<td>50 mg</td>
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<tr>
<td>Art. 6302.98</td>
<td>&gt;98.0 %</td>
<td>C_20H_19NO_5</td>
<td>M_1 353.37</td>
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<tr>
<td><img src="image" alt="Chlorogenic acid structure" /></td>
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<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td><img src="image" alt="3-Caffeoylquinic acid" /></td>
<td>3-Caffeoylquinic acid from green coffee beans</td>
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<tr>
<td>Art. 6107.99</td>
<td>&gt;99.0 %</td>
<td>C_16H_18O_9</td>
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<td><img src="image" alt="Chicoric acid, 2,3-Dicaffeoyltartaric acid" /></td>
<td>Chicoric acid, 2,3-Dicaffeoyltartaric acid from Echinacea pallida</td>
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<tr>
<td>Art. 6105.98</td>
<td>&gt;98.0 %</td>
<td>C_22H_18O_12</td>
<td>M_1 474.38</td>
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<tr>
<td><img src="image" alt="Cimiaciroside A structure" /></td>
<td>Cimiaciroside A</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>2 mg</td>
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<tr>
<td><img src="image" alt="from Cimicifuga racemosa" /></td>
<td>from Cimicifuga racemosa</td>
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<td>5 mg</td>
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<tr>
<td>Art. 3511.97</td>
<td>&gt;97.0 %</td>
<td>C_35H_56O_9</td>
<td>M_1 618.81</td>
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<tr>
<td><img src="image" alt="Cimigenol-3-O-arabinoside structure" /></td>
<td>Cimigenol-3-O-arabinoside, Cimigenoloside C, Cimicifugoside M from Cimicifuga racemosa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>215</td>
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<tr>
<td><img src="image" alt="Cimigenol-3-O-arabinoside, Cimigenoloside C, Cimicifugoside M" /></td>
<td>Cimigenol-3-O-arabinoside, Cimigenoloside C, Cimicifugoside M from Cimicifuga racemosa</td>
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<td>10 mg</td>
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<td>Art. 3508.98</td>
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<td>C_35H_56O_9</td>
<td>M_1 620.83</td>
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<tr>
<td><img src="image" alt="Cimigenol-3-O-xylloside structure" /></td>
<td>Cimigenol-3-O-xylloside, Cimigenoloside, Cimigoside from Cimicifuga racemosa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
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<td><img src="image" alt="Cimigenol-3-O-xylloside, Cimigenoloside, Cimigoside" /></td>
<td>Cimigenol-3-O-xylloside, Cimigenoloside, Cimigoside from Cimicifuga racemosa</td>
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<td>10 mg</td>
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<tr>
<td>Art. 3509.98</td>
<td>&gt;98.0 %</td>
<td>C_35H_56O_9</td>
<td>M_1 620.83</td>
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</table>

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<tbody>
<tr>
<td></td>
<td>Cimiracemoside A</td>
<td>see Cimiracemoside A</td>
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<tr>
<td></td>
<td>Cimiracemoside C</td>
<td>see Cimigenol-3-O-arabinoside</td>
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<td><img src="image" alt="" /></td>
<td>Cimiracemoside F</td>
<td>Cimiracemoside A from Cimicifuga racemosa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>2 mg</td>
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<td>Art. 3510.98 [264875-61-8]</td>
<td>[264875-61-8]</td>
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<td></td>
<td></td>
<td>C_{21}H_{32}O_{11}</td>
<td>M, 676.38</td>
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<tr>
<td></td>
<td>Cnicin</td>
<td>from Cnicus benedictus</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td><img src="image" alt="" /></td>
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<td>Art. 2113.98 [24394-09-0]</td>
<td>[24394-09-0]</td>
<td>20 mg</td>
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<td>C_{20}H_{26}O_{7}</td>
<td>M, 378.42</td>
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<td>Coptisine chloride</td>
<td>Bis(methylenedioxy)protoberberin chloride from Chelidonium majus</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>C_{19}H_{14}NO_{4}Cl</td>
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<td>Cucurbitacin I</td>
<td>Elatericin B from Iberis amara</td>
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<td><img src="image" alt="" /></td>
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<td>Art. 5138.99 [2222-07-3]</td>
<td>[2222-07-3]</td>
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<td>C_{30}H_{42}O_{7}</td>
<td>M, 514.66</td>
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<td></td>
<td>Curcumin</td>
<td>Diferuloylmethane from Curcuma longa</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td><img src="image" alt="" /></td>
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<td>Art. 4320.98 [458-37-7]</td>
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<td>C_{21}H_{32}O_{6}</td>
<td>M, 368.39</td>
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<td>Cyanidin 3-arabinoside chloride</td>
<td>from Aronia melanocarpa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
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<tr>
<td><img src="image" alt="" /></td>
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<td>Art. 5023.95 [57186-11-5]</td>
<td>[57186-11-5]</td>
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<tr>
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<td>C_{20}H_{30}O_{11}Cl</td>
<td>M, 454.82</td>
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<td>Cyanidin chloride</td>
<td>Cyanidol from Rosa centifolia</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td><img src="image" alt="" /></td>
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<td>Art. 5003.97 [528-59-5]</td>
<td>[528-59-5]</td>
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<td>C_{19}H_{11}ClO_{5}</td>
<td>M, 322.70</td>
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</tbody>
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</thead>
<tbody>
<tr>
<td></td>
<td>Cyanidin 3-galactoside chloride</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
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<tr>
<td></td>
<td>from Vaccinium vitis-idaea</td>
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<td>10 mg</td>
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<td>Art. 5022.97</td>
<td>&gt;97.0 %</td>
<td>[27661-36-5] C_{21}H_{21}O_{11}Cl</td>
<td>M, 484.84</td>
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<td>Cyanidin 3-glucoside chloride</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<td>Kuromanin chloride, Asterin from Rubus fruticosus</td>
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<td>20 mg</td>
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<td>Art. 5002.97</td>
<td>&gt;97.0 %</td>
<td>[7084-24-4] C_{21}H_{21}O_{11}Cl</td>
<td>M, 484.84</td>
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<td>Cyanidin 3-(6''-malonylglucoside)</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
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<td>Cyanidin 3-O-(6''-O-malonyl-β-D-glucoside) from Zea mays</td>
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<td>10 mg</td>
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<tr>
<td>Art. 5027.95</td>
<td>&gt;95.0 %</td>
<td>[17182-62-9] C_{23}H_{23}O_{14}</td>
<td>M, 534.43</td>
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<td>Cyanidin 3-rutinoside chloride</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<td>Antirhinin, Keracyanin from Ribes nigrum</td>
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<td>Art. 5004.97</td>
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<td>[18719-76-1] C_{27}H_{31}ClO_{15}</td>
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<td>Cyanidin 3-sambubioside chloride</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
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<td>Sambicyanin chloride from Hibiscus sabdariffa</td>
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<td>10 mg</td>
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<tr>
<td>Art. 5029.97</td>
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<td>[33012-73-6] C_{26}H_{29}ClO_{15}</td>
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<td>Cyanin chloride</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>Cyanidin 3,5-diglucoside chloride from Rosa centifolia</td>
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<td>50 mg</td>
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<tr>
<td>Art. 5001.98</td>
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<td>[2611-67-8] C_{27}H_{31}ClO_{16}</td>
<td>M, 646.96</td>
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<td>Cyanin chloride</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>100 mg</td>
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<td>Cyanidin 3,5-diglucoside chloride from Rosa centifolia</td>
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<td>150 mg</td>
<td>178</td>
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<tr>
<td>Art. 5001.95</td>
<td>&gt;95.0 %</td>
<td>[2611-67-8] C_{27}H_{31}ClO_{16}</td>
<td>M, 646.96</td>
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<tr>
<td></td>
<td>Cynarin</td>
<td>HPLC-DAD, TLC, 1H-NMR, 13C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>10 mg</td>
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<td>1,3-Dicaffeoylquinic acid, 1,5 Dicaffeoylquinic acid from Cynara scolymus</td>
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<tr>
<td>Art. 6103.RS</td>
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<td>[1182-34-9]; [30964-13-7]; [1884-23-7] C_{20}H_{12}O_{12}</td>
<td>M, 516.46</td>
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</tbody>
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<td><img src="image" alt="Cynarin Structure" /></td>
<td><strong>Cynarin</strong>&lt;br&gt;1,3-Dicaffeoylquinic acid, 1,5 Dicaffeoylquinic acid from Cynara scolymus&lt;br&gt;Art. 6103.99&lt;br&gt;[1182-34-9]; [30964-13-7]; [1884-23-7]&lt;br&gt;C_{25}H_{24}O_{12} M, 516.46&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>125</td>
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<tr>
<td></td>
<td></td>
<td>20 mg</td>
<td>240</td>
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<tr>
<td></td>
<td></td>
<td>50 mg</td>
<td>500</td>
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<td><img src="image" alt="Cytisine Structure" /></td>
<td><strong>Cytisine</strong>&lt;br&gt;Laburnin from Laburnum anagyroides&lt;br&gt;Art. 6204.98&lt;br&gt;[485-35-8]&lt;br&gt;C_{11}H_{14}N_{2}O M, 190.25&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
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<td></td>
<td>50 mg</td>
<td>250</td>
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<td><img src="image" alt="Delphinidin chloride Structure" /></td>
<td><strong>Delphinidin chloride</strong>&lt;br&gt;from Vaccinium myrtillus or Vitis vinifera&lt;br&gt;Art. 5015.97&lt;br&gt;[528-53-0]&lt;br&gt;C_{15}H_{13}ClO_{7} M, 338.70&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>130</td>
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<td></td>
<td></td>
<td>20 mg</td>
<td>238</td>
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<td><img src="image" alt="Delphinidin 3-galactoside chloride Structure" /></td>
<td><strong>Delphinidin 3-galactoside chloride</strong>&lt;br&gt;Empetretin from Vaccinium myrtillus&lt;br&gt;Art. 5017.95&lt;br&gt;[28500-00-7]&lt;br&gt;C_{21}H_{21}ClO_{7} M, 500.84&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>145</td>
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<td>10 mg</td>
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<td>20 mg</td>
<td>410</td>
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<td><img src="image" alt="Delphinidin 3-glucoside chloride Structure" /></td>
<td><strong>Delphinidin 3-glucoside chloride</strong>&lt;br&gt;Myrtillin from Vaccinium myrtillus or Vitis vinifera&lt;br&gt;Art. 5018.95&lt;br&gt;[6906-38-3]&lt;br&gt;C_{21}H_{21}ClO_{7} M, 500.84&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>165</td>
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<td></td>
<td></td>
<td>20 mg</td>
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<td><img src="image" alt="Delphinidin 3-rutinoside chloride Structure" /></td>
<td><strong>Delphinidin 3-rutinoside chloride</strong>&lt;br&gt;Delphinidin 3-glucohorhamnoside, Tulipanin from Ribes nigrum&lt;br&gt;Art. 5009.97&lt;br&gt;[15674-58-5]&lt;br&gt;C_{27}H_{31}ClO_{16} M, 646.98&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>150</td>
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<tr>
<td></td>
<td></td>
<td>20 mg</td>
<td>245</td>
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<tr>
<td><img src="image" alt="Delphinidin 3-sambubioside chloride Structure" /></td>
<td><strong>Delphinidin 3-sambubioside chloride</strong>&lt;br&gt;from Hibiscus sabdariffa&lt;br&gt;Art. 5028.95&lt;br&gt;[53158-73-9]&lt;br&gt;C_{28}H_{30}ClO_{16} M, 632.95&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>180</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg</td>
<td>315</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="27-Deoxyacteine Structure" /></td>
<td><strong>27-Deoxyacteine</strong>&lt;br&gt;23-epi-26-Deoxyacteine from Cimicifuga racemosa&lt;br&gt;Art. 3505.RS&lt;br&gt;[264624-38-6]&lt;br&gt;C_{26}H_{38}O_{10} M, 660.84&lt;br&gt;HPLC-DAD (2 methods), TLC (2 methods), ^1H-NMR, ^13C-NMR - (with Interpretation), IR, MS, hrMS, Melting point</td>
<td>10 mg</td>
<td>485</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mg</td>
<td>2,000</td>
<td></td>
</tr>
</tbody>
</table>

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<tbody>
<tr>
<td><img src="image1.png" alt="Structure" /></td>
<td><strong>27-Deoxyactein</strong>&lt;br&gt;23-epi-26-Deoxyactein from Cimicifuga racemosa&lt;br&gt;Art. 3505.99 [264624-38-6]&lt;br&gt;C_{37}H_{56}O_{10} M, 660.84</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>340</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>600</td>
</tr>
<tr>
<td><img src="image2.png" alt="Structure" /></td>
<td><strong>26-Deoxycimicifugoside</strong>&lt;br&gt;7,8-Didehydro-27-deoxyactein common impurity of 27-Deoxyactein, but with a different chromophore from Cimicifuga racemosa&lt;br&gt;Art. 3507.99 [214146-75-5]&lt;br&gt;C_{37}H_{54}O_{10} M, 658.82</td>
<td>HPLC-DAD with UV-Spectrum&lt;br&gt;^1H-NMR, ^13C-NMR, MS, hr-MS, Melting point</td>
<td>5 mg</td>
<td>495</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>935</td>
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<tr>
<td><img src="image3.png" alt="Structure" /></td>
<td><strong>Dhurrin</strong>&lt;br&gt;(S)-4-Hydroxymandelonitrile-β-D-glucoside from Sorghum bicolor&lt;br&gt;Art. 7001.98 [499-20-7]&lt;br&gt;C_{14}H_{17}NO_{7} M, 311.29</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>265</td>
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<tr>
<td><img src="image4.png" alt="Structure" /></td>
<td><strong>(+)-Dihydroquercetin</strong>&lt;br&gt;see (+)-Taxifolin</td>
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</tr>
<tr>
<td><img src="image5.png" alt="Structure" /></td>
<td><strong>Echimidine</strong>&lt;br&gt;7-O-Angelyl-9-O-echimidinylretronecine from Echium plantagineum&lt;br&gt;Art. 6278.95 [520-68-3]&lt;br&gt;C_{22}H_{33}NO_{7} M, 397.46</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>350</td>
</tr>
<tr>
<td><img src="image6.png" alt="Structure" /></td>
<td><strong>Echimidine N-oxide</strong>&lt;br&gt;7-O-Angelyl-9-O-echimidinylretronecine N-oxide from Echium plantagineum&lt;br&gt;Art. 6279.97 [41093-89-4]&lt;br&gt;C_{21}H_{32}NO_{8} M, 413.46</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>205</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>360</td>
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<tr>
<td><img src="image7.png" alt="Structure" /></td>
<td><strong>Echinacoside</strong>&lt;br&gt;from Echinacea pallida&lt;br&gt;Art. 6104.98 [82854-37-3]&lt;br&gt;C_{35}H_{46}O_{20} M, 786.70</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>128</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>235</td>
</tr>
<tr>
<td><img src="image8.png" alt="Structure" /></td>
<td><strong>Echinatine</strong>&lt;br&gt;Cynoglossin from Cynoglossum officinale&lt;br&gt;Art. 6295.95 [480-83-1]&lt;br&gt;C_{13}H_{22}NO_{5} M, 299.36</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>190</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>350</td>
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<tbody>
<tr>
<td><img src="image1" alt="Echinatine N-oxide" /></td>
<td><strong>Echinatine N-oxide</strong>&lt;br&gt;Cynoglossin N-oxide from Cynoglossum officinale&lt;br&gt;Art. 6296.95 [20267-93-0]&lt;br&gt;C_{13}H_{29}NO_{6} M, 315.36</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>190</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>350</td>
</tr>
<tr>
<td><img src="image2" alt="β-Elemoneic acid" /></td>
<td><strong>β-Elemoneic acid</strong>&lt;br&gt;from Boswellia serrata&lt;br&gt;Art. 5157.98 [28282-25-9]&lt;br&gt;C_{30}H_{46}O_{3} M, 454.70</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>246</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>452</td>
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<tr>
<td><img src="image3" alt="Elenolic acid 2-O-glucoside" /></td>
<td><strong>Elenolic acid 2-O-glucoside</strong>&lt;br&gt;Oleoside 11-methylester from Olea europaea&lt;br&gt;Art. 2131.98 [60539-23-9]&lt;br&gt;C_{17}H_{24}O_{11} M, 742.71</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>360</td>
</tr>
<tr>
<td><img src="image4" alt="Eleutheroside B" /></td>
<td><strong>Eleutheroside B</strong>&lt;br&gt;Syringin, Syringoside from Syringa vulgaris&lt;br&gt;Art. 3203.99 [118-34-3]&lt;br&gt;C_{17}H_{24}O_{9} M, 372.36</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>125</td>
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<td></td>
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<td>10 mg</td>
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<tr>
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<td></td>
<td></td>
<td>20 mg</td>
<td>340</td>
</tr>
<tr>
<td><img src="image5" alt="Eleutheroside E" /></td>
<td><strong>Eleutheroside E</strong>&lt;br&gt;Syringaresinol-4',4'-O-bis-[β-D-glucoside&lt;br&gt;from Eleutherococcus&lt;br&gt;Art. 3202.96 [39432-56-9]&lt;br&gt;C_{34}H_{46}O_{18} M, 742.71</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>134</td>
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<td></td>
<td></td>
<td>10 mg</td>
<td>226</td>
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<tr>
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<td>20 mg</td>
<td>382</td>
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<tr>
<td><img src="image6" alt="Emodin" /></td>
<td><strong>Emodin</strong>&lt;br&gt;Frangula-Emodin, Rheum-Emodin, Archin from Rhamnus frangula&lt;br&gt;Art. 3266.99 [518-82-1]&lt;br&gt;C_{15}H_{10}O_{5} M, 270.23</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>111</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>200</td>
</tr>
<tr>
<td><img src="image7" alt="Englerin A" /></td>
<td><strong>Englerin A</strong>&lt;br&gt;from Phyllanthus engleri&lt;br&gt;Art. 1901.96 [1094250-15-3]&lt;br&gt;C_{26}H_{35}O_{6} M, 442.56</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>256</td>
</tr>
<tr>
<td><img src="image8" alt="Englerin A „high purity“" /></td>
<td><strong>Englerin A „high purity“</strong>&lt;br&gt;from Phyllanthus engleri&lt;br&gt;Art. 1901.99 [1094250-15-3]&lt;br&gt;C_{26}H_{35}O_{6} M, 442.56</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>343</td>
</tr>
</tbody>
</table>

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</tr>
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<tbody>
<tr>
<td><img src="image1" alt="Englerin B" /></td>
<td>Englerin B from <em>Phyllanthus engleri</em></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>290</td>
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<tr>
<td>Art. 1902.98</td>
<td>&gt;98.0 %</td>
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<tr>
<td>C_{24}H_{32}O_{4} M, 384.51</td>
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<tr>
<td><img src="image2" alt="(-)-Epicatechin" /></td>
<td>(-)-Epicatechin EC from <em>Acacia catechu</em></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>120</td>
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<tr>
<td>Art. 3305.99</td>
<td>&gt;99.0 %</td>
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<tr>
<td>[490-46-0] C_{15}H_{14}O_{6} M, 290.27</td>
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</tr>
<tr>
<td><img src="image3" alt="(-)-Epicatechin 3-gallate" /></td>
<td>(-)-Epicatechin 3-gallate ECG from <em>Camellia sinensis</em></td>
<td>HPLC-DAD, TLC, ¹H-NMR, ¹³C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>10 mg</td>
<td>235</td>
</tr>
<tr>
<td>Art. 3307.RS</td>
<td>&gt;99.0 %</td>
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<tr>
<td>[1257-08-5] C_{22}H_{18}O_{10} M, 442.38</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image4" alt="(-)-Epicatechin 3-gallate" /></td>
<td>(-)-Epicatechin 3-gallate ECG from <em>Camellia sinensis</em></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>100</td>
</tr>
<tr>
<td>Art. 3307.99</td>
<td>&gt;99.0 %</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[1257-08-5] C_{22}H_{18}O_{10} M, 442.38</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><img src="image5" alt="(-)-Epigallocatechin" /></td>
<td>(-)-Epigallocatechin EGC from <em>Camellia sinensis</em></td>
<td>HPLC-DAD, TLC, ¹H-NMR, ¹³C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>10 mg</td>
<td>235</td>
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<tr>
<td>Art. 3306.RS</td>
<td>&gt;99.0 %</td>
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<tr>
<td>[970-74-1] C_{15}H_{14}O_{7} M, 306.27</td>
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<tr>
<td><img src="image6" alt="(-)-Epigallocatechin" /></td>
<td>(-)-Epigallocatechin EGC from <em>Camellia sinensis</em></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>105</td>
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<tr>
<td>Art. 3306.99</td>
<td>&gt;99.0 %</td>
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<tr>
<td>[970-74-1] C_{15}H_{14}O_{7} M, 306.27</td>
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<tr>
<td><img src="image7" alt="(-)-Epigallocatechin 3-gallate" /></td>
<td>(-)-Epigallocatechin 3-gallate EGC from <em>Camellia sinensis</em></td>
<td>HPLC-DAD, TLC, ¹H-NMR, ¹³C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
<td>295</td>
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<tr>
<td>Art. 3308.RS</td>
<td>&gt;99.0 %</td>
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<tr>
<td>[989-51-5] C_{22}H_{18}O_{11} M, 458.37</td>
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<tr>
<td><img src="image8" alt="(-)-Epigallocatechin 3-gallate" /></td>
<td>(-)-Epigallocatechin 3-gallate EGC from <em>Camellia sinensis</em></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>100</td>
</tr>
<tr>
<td>Art. 3308.99</td>
<td>&gt;99.0 %</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>[989-51-5] C_{22}H_{18}O_{11} M, 458.37</td>
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<td>HPLC-DAD with UV-Spectrum</td>
<td>100 mg</td>
<td>150</td>
</tr>
<tr>
<td><img src="image2.png" alt="Structure" /></td>
<td><strong>Epiprogoitrin</strong>&lt;br&gt;(2S)-2-Hydroxybut-3-enylglucosinolate K-salt from <em>Crambe abyssinica</em>&lt;br&gt;Art. 3423.97&lt;br&gt;[21087-74-1] or [19237-18-4] (free acid)&lt;br&gt;C_{11}H_{18}KNO_{10}S_{2} M, 427.48</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>140</td>
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<tr>
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<td></td>
<td>20 mg</td>
<td>255</td>
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<tr>
<td><img src="image3.png" alt="Structure" /></td>
<td><strong>(Z)-Erucifolin</strong>&lt;br&gt;from <em>Senecio jacobea</em>&lt;br&gt;Art. 6218.97&lt;br&gt;[40158-95-0]&lt;br&gt;C_{18}H_{23}NO_{6} M, 349.38</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>165</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>300</td>
</tr>
<tr>
<td><img src="image4.png" alt="Structure" /></td>
<td><strong>(Z)-Erucifolin N-oxide</strong>&lt;br&gt;from <em>Senecio jacobea</em>&lt;br&gt;Art. 6221.97&lt;br&gt;[ - ]&lt;br&gt;C_{18}H_{23}NO_{7} M, 365.38</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>165</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>300</td>
</tr>
<tr>
<td><img src="image5.png" alt="Structure" /></td>
<td><strong>Eupatorin</strong>&lt;br&gt;3',5-Dihydroxy-4',6,7-trimethoxyflavone from <em>Orthosiphon stamineus</em>&lt;br&gt;Art. 3283.99&lt;br&gt;[855-96-9]&lt;br&gt;C_{18}H_{16}O_{7} M, 344.32</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>140</td>
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<tr>
<td><img src="image6.png" alt="Structure" /></td>
<td><strong>Europine hydrochloride</strong>&lt;br&gt;from <em>Heliotropium</em>&lt;br&gt;Art. 6214.97&lt;br&gt;[570-19-4] (free base)&lt;br&gt;C_{16}H_{28}ClNO_{6} M, 365.84</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>210</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>380</td>
</tr>
<tr>
<td><img src="image7.png" alt="Structure" /></td>
<td><strong>Europine N-oxide</strong>&lt;br&gt;from <em>Heliotropium</em>&lt;br&gt;Art. 6215.97&lt;br&gt;[65582-53-8]&lt;br&gt;C_{16}H_{27}NO_{7} M, 345.39</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>210</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>380</td>
</tr>
<tr>
<td><img src="image8.png" alt="Structure" /></td>
<td><strong>Frangulin</strong>&lt;br&gt;Mixture of A and B approx. 1:4 from <em>Rhamnus frangula</em>&lt;br&gt;Art. 3270.97&lt;br&gt;[60929-33-1]</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>100 mg</td>
<td>155</td>
</tr>
</tbody>
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<tbody>
<tr>
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<td>Frangulin A</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>from Rhamnus frangula</td>
<td></td>
<td>20 mg</td>
<td>175</td>
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<tr>
<td></td>
<td>Art. 3268.98</td>
<td>&gt;98.0 %</td>
<td>C_{21}H_{20}O_{9}</td>
<td>M. 416.38</td>
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<td></td>
<td>[521-62-0]</td>
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<td></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>130</td>
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<tr>
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<td>Frangulin B</td>
<td></td>
<td>20 mg</td>
<td>240</td>
</tr>
<tr>
<td></td>
<td>from Rhamnus frangula</td>
<td></td>
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<tr>
<td></td>
<td>Art. 3269.98</td>
<td>&gt;98.0 %</td>
<td>C_{20}H_{18}O_{9}</td>
<td>M. 402.36</td>
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<td>[14101-04-3]</td>
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<td>[3] - Gallocatechin</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td></td>
<td>from Camellia sinensis</td>
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<td>20 mg</td>
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<td></td>
<td>Art. 3309.99</td>
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<td>C_{15}H_{14}O_{7}</td>
<td>M. 306.27</td>
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<td>[3371-27-5]</td>
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<td>[6] - Gingerol</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td></td>
<td>from Zingiber officinale</td>
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<td>20 mg</td>
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<td>Art. 4301.98</td>
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<td>C_{17}H_{26}O_{4}</td>
<td>M. 294.39</td>
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<td>[23513-14-6]</td>
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<td>[8] - Gingerol</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<td>from Zingiber officinale</td>
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<td>Art. 4302.98</td>
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<td>[23513-08-8]</td>
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<td>from Zingiber officinale</td>
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<td>Art. 4303.96</td>
<td>&gt;96.0 %</td>
<td>C_{17}H_{34}O_{4}</td>
<td>M. 350.50</td>
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<td>[23513-15-7]</td>
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<td>Ginkgolide A</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>from Ginkgo biloba</td>
<td></td>
<td>20 mg</td>
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<tr>
<td></td>
<td>Art. 4251.98</td>
<td>&gt;98.0 %</td>
<td>C_{20}H_{30}O_{10}</td>
<td>M. 408.41</td>
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<td>[15291-75-5]</td>
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<td>Ginkgolide B</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>1-Hydroxyginkgolide A</td>
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<td>20 mg</td>
<td>200</td>
</tr>
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<td></td>
<td>from Ginkgo biloba</td>
<td></td>
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<tr>
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<td>Art. 4250.99</td>
<td>&gt;99.0 %</td>
<td>C_{20}H_{34}O_{10}</td>
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<td>[15291-77-7]</td>
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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.
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<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
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<tr>
<td><img src="image" alt="Ginkgolide C" /></td>
<td>1,7-Dihydroxyginkgolide A from Ginkgo biloba</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td>Art. 4252.97</td>
<td>≥97.0%</td>
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<tr>
<td>[15291-76-6]</td>
<td>C_{20}H_{24}O_{11} M. 440.40</td>
<td>10 mg 126</td>
<td>20 mg 210</td>
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<tr>
<td><img src="image" alt="Ginkgolic acids RN" /></td>
<td>from Ginkgo biloba</td>
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<td>Art. 4110.90</td>
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<tr>
<td>[ - ]</td>
<td>C_{20}H_{32}O_{3} / C_{22}H_{34}O_{3} / C_{24}H_{38}O_{3} M. 320.5 / 346.5 / 374.6</td>
<td>5 mg 162</td>
<td>10 mg 230</td>
<td>20 mg 430</td>
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<tr>
<td><img src="image" alt="Glucoalyssin" /></td>
<td>5-(Methylsufinyl)pentylglucosinolate K-salt from Alyssum argenteum</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td>Art. 3428.97</td>
<td>≥97.0%</td>
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<tr>
<td>[499-37-6] (free acid)</td>
<td>C_{13}H_{24}KNO_{10}S_{3} M. 489.63</td>
<td>5 mg 220</td>
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<td><img src="image" alt="Glucoarabin" /></td>
<td>9-(Methylsufinyl)nonylglucosinolate K-salt from Camelina sativa</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>Art. 3430.97</td>
<td>≥97.0%</td>
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<td>[67920-64-3] (free acid)</td>
<td>C_{17}H_{32}KNO_{10}S_{3} M. 545.73</td>
<td>10 mg 160</td>
<td>300</td>
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<tr>
<td><img src="image" alt="Glucobarbarin" /></td>
<td>2(S)-Hydroxy-2-phenylethylglucosinolate K-salt from Barbara variegata</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>Art. 3426.97</td>
<td>≥97.0%</td>
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<tr>
<td>[21087-78-5] (salt)</td>
<td>C_{15}H_{20}KNO_{9}S_{2} M. 477.55</td>
<td>10 mg 120</td>
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<td><img src="image" alt="Glucobacteroin" /></td>
<td>5-Methylthiopentylglucosinolate K-salt from Berteroa incana</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>Art. 3412.97</td>
<td>≥97.0%</td>
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<td>[245550-65-6] or [29611-01-6] (free acid)</td>
<td>C_{13}H_{24}KNO_{9}S_{2} M. 473.64</td>
<td>5 mg 130</td>
<td>10 mg 215</td>
<td>20 mg</td>
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<tr>
<td><img src="image" alt="Glucobrassicanapin" /></td>
<td>4-Pentenylglucosinolate K-salt from Brassica napus</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td>Art. 3419.98</td>
<td>≥98.0%</td>
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<tr>
<td>[245550-58-7] or [19041-10-2] (free acid)</td>
<td>C_{13}H_{24}KNO_{9}S_{2} M. 443.52</td>
<td>10 mg 160</td>
<td>20 mg 288</td>
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<td><img src="image" alt="Glucobrassicin" /></td>
<td>3-Indolymethylglucosinolate K-salt from Brassica oleracea</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>Art. 3407.97</td>
<td>≥97.0%</td>
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<td>[143231-38-3] or [4356-52-9] (free acid)</td>
<td>C_{18}H_{19}KNO_{7}S_{2} M. 486.56</td>
<td>10 mg 155</td>
<td>20 mg 275</td>
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</table>

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<td></td>
<td><strong>Glucocamelin</strong></td>
<td>10-(Methylsulfanyl)decylglucosinate K-salt from Camelina sativa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<td></td>
<td></td>
<td>Art. 3431.96</td>
<td>≥96.0 %</td>
<td>C₁₈H₃₄KNO₁₀S₃</td>
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<td>[67884-10-0] (free acid)</td>
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<td><strong>Glucocapparin</strong></td>
<td>Methylglucosinate K-salt from Cleome spinosa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<td></td>
<td>Art. 3436.98</td>
<td>≥98.0 %</td>
<td>C₈H₁₄KNO₉S₂</td>
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<td>[15592-33-3] or [497-77-8] (free acid)</td>
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<td><strong>Glucocheirolin</strong></td>
<td>3-(Methylsulfonyl)propylglucosinate K-salt from Cheiranthus cheiri</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
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<td>Art. 3429.97</td>
<td>≥97.0 %</td>
<td>C₁₁H₂₀KNO₁₁S₃</td>
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<tr>
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<td>[15592-36-6] (free acid)</td>
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<td><strong>Glucoerucin</strong></td>
<td>4-Methyliobutylglucosinate K-salt from Eruca sativa</td>
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<td>Art. 3411.97</td>
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<td>[15592-37-7] or [21973-56-8] (free acid)</td>
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<td><strong>Glucohesperin</strong></td>
<td>6-Methysulfanylhexylglucosinate K-salt from Hesperis matronalis</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>Art. 3439.95</td>
<td>≥95.0 %</td>
<td>C₁₄H₂₆KNO₁₀S₃</td>
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<td>[33049-17-1] (free acid)</td>
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<td><strong>Glucohirsutin</strong></td>
<td>8-(Methylsulfanyl)octylglucosinate K-salt from Nasturtium officinale</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>Art. 3438.97</td>
<td>≥97.0 %</td>
<td>C₁₆H₃₀KNO₁₀S₃</td>
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<td>3-(Methylsulfinyl)propylglucosinate K-salt from Iberis amara</td>
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<tr>
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<td>Art. 3413.99</td>
<td>≥99.0 %</td>
<td>C₁₁H₂₀KNO₁₀S₃</td>
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<td>[15592-34-4] or [554-88-1] (free acid)</td>
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<td><strong>Glucolimnanthin</strong></td>
<td>m-Methoxyglucotropaeolin from Limnanthes douglasii</td>
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<td>Art. 3440.97</td>
<td>≥97.0 %</td>
<td>C₁₃H₂₆KNO₁₀S₂</td>
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<td>[111810-95-8]</td>
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<td>4-(α-Rhamnosyloxy)benzylglucosinolate K-salt from Moringa oleifera</td>
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<td>C_{20}H_{28}KNO_{14}S_2</td>
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<td>Gluconapin</td>
<td>3-Butenylglucosinolate K-salt from Brassica napus</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>130</td>
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<td>Art. 3417.97</td>
<td>&gt;97.0 %</td>
<td>20 mg</td>
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<td>[245550-57-6] or [19041-09-9] (free acid)</td>
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<td>Gluconasturtiin</td>
<td>Phenylethylglucosinolate K-salt from Nasturtium officinale</td>
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<td>Art. 3405.97</td>
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<td>[18425-76-8] or [499-30-9] (free acid)</td>
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<td>Glucoraphanin</td>
<td>3-(methylsulfinyl)butyl-glucosinolate K-salt from Brassica oleracea</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<td>[21414-41-5] (free acid)</td>
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<td>C_{12}H_{22}KNO_{10}S_3</td>
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<td>Glucoraphasatin E/Z-mixture</td>
<td>from Raphanus sativus</td>
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<td>Art. 3426.97</td>
<td>&gt;97.0 %</td>
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<td>[28463-23-2] (free acid)</td>
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<td>M, 457.58</td>
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<td>Glucoraphenin</td>
<td>4-(Methylsulfinyl)-3-butenylglucosinolate K-salt from Raphanus sativus</td>
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<td>[108844-81-1] or [28463-24-3] (free acid)</td>
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<td>M, 473.58</td>
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<td>Glucotropaeolin</td>
<td>Benzylglucosinolate K-salt from Tropaeolum majus</td>
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<td>[5115-71-9] or [499-26-3] (freie Säure)</td>
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<td>C_{12}H_{20}KNO_{10}S_3</td>
<td>M, 447.52</td>
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<td>Hamamelitannin</td>
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<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
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<td>Art. 3315.99</td>
<td>&gt;99.0 %</td>
<td>50 mg</td>
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<td>M, 484.37</td>
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<td>[469-32-9]</td>
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<td>C_{20}H_{20}O_{14} M, 484.37</td>
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<tr>
<td>Harpagide</td>
<td>from Harpagophytum procumbens</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>130</td>
</tr>
<tr>
<td></td>
<td>Art. 2120.99</td>
<td>[6926-08-5]</td>
<td>20 mg</td>
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<tr>
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<td>C_{15}H_{24}O_{10} M, 364.34</td>
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<tr>
<td>Harpagoside</td>
<td>8-O-Cinnamoylharpagide</td>
<td>HPLC-DAD, TLC, ¹H-NMR, ¹³C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
<td>295</td>
</tr>
<tr>
<td></td>
<td>from Harpagophytum procumbens</td>
<td></td>
<td>50 mg</td>
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<td>Art. 2121.RS</td>
<td>[19210-12-9]</td>
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<tr>
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<td>C_{20}H_{20}O_{11} M, 494.48</td>
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<tr>
<td>Harpagoside</td>
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<td>[19210-12-9]</td>
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<td>C_{24}H_{30}O_{11} M, 494.48</td>
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<td>Hederacoside C</td>
<td>Hederasaponin C</td>
<td>HPLC-DAD, TLC, ¹H-NMR, ¹³C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
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<td>Art. 5133.RS</td>
<td>[14216-03-6]</td>
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<tr>
<td></td>
<td>C_{30}H_{48}O_{26} M, 1221.39</td>
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<tr>
<td>Hederacoside C</td>
<td>Hederasaponin C</td>
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<td>50 mg</td>
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<tr>
<td></td>
<td>Art. 5133.99</td>
<td>[14216-03-6]</td>
<td>100 mg</td>
<td>445</td>
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<tr>
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<td>C_{30}H_{48}O_{26} M, 1221.39</td>
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<td>Hederacoside C</td>
<td>Hederasaponin C</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>100 mg</td>
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<td>C_{30}H_{48}O_{26} M, 1221.39</td>
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<tr>
<td>Hederagenin</td>
<td>from Hedera helix</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
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<td>Art. 5135.98</td>
<td>[465-99-6]</td>
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<td></td>
<td>C_{30}H_{48}O_{26} M, 472.73</td>
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<td>Structure</td>
<td>Compound</td>
<td>Documents delivered</td>
<td>Quantity (unit)</td>
<td>Price [Euro]</td>
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<td><img src="https://example.com/structure.png" alt="structure" /></td>
<td>Hederagenin from Hedera helix</td>
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<tr>
<td>Art. 5135.90</td>
<td>&gt;90.0 %</td>
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<td>M, 472.73</td>
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<td>α-Hederin from Hedera helix</td>
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<tr>
<td>Art. 5136.99</td>
<td>&gt;99.0 %</td>
<td>[27013-91-8]</td>
<td>M, 750.97</td>
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<td>Heliosupine from Cynoglossum officinale</td>
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<tr>
<td>Art. 6297.95</td>
<td>&gt;95.0 %</td>
<td>[32726-79-2]</td>
<td>M, 397.46</td>
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<tr>
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<td>Heliosupine N-oxide from Cynoglossum officinale</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>180</td>
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<tr>
<td>Art. 6298.95</td>
<td>&gt;95.0 %</td>
<td>[31701-88-9]</td>
<td>M, 413.46</td>
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<td>Heliotridine from Heliotropium europaeum</td>
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<tr>
<td>Art. 6286.97</td>
<td>&gt;97.0 %</td>
<td>[520-63-8]</td>
<td>M, 155.19</td>
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<td><img src="https://example.com/structure.png" alt="structure" /></td>
<td>Heliotridine N-oxide from Heliotropium europaeum</td>
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<tr>
<td>Art. 6287.97</td>
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<td>[ - ]</td>
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<tr>
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<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td>Art. 6212.98</td>
<td>&gt;98.0 %</td>
<td>[303-33-3]</td>
<td>M, 313.39</td>
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<tr>
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<td>Heliotrine N-oxide from Heliotropium</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td>Art. 6213.97</td>
<td>&gt;97.0 %</td>
<td>[6209-65-0]</td>
<td>M, 329.39</td>
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</tbody>
</table>

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.
<table>
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<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
</table>
| ![Hesperetin](image) | Hesperetin Cyanidan 4'-methyl ether synthetic  
Art. 3320.98  
[C520-33-2]  
C16H16O6  
M 302.28  
>98.0 % | HPLC-DAD with UV-Spectrum | 20 mg | 110 |
|  |  |  | 50 mg | 215 |
| ![Hesperidin](image) | Hesperidin  
Hesperetin 7-rutinoside, Cirantin from Citrus sinensis  
Art. 3321.98  
[C520-26-3]  
C16H16O6  
M 610.57  
>98.0 % | HPLC-DAD with UV-Spectrum | 20 mg | 115 |
|  |  |  | 50 mg | 230 |
| ![Homoorientin](image) | Homoorientin  
6-C-Glucoluteolin, Isoorientin from Adonis vernalis  
Art. 3277.99  
[C4261-42-1]  
C21H20O11  
M 448.38  
>99.0 % | HPLC-DAD with UV-Spectrum | 5 mg | 108 |
|  |  |  | 10 mg | 160 |
|  |  |  | 20 mg | 290 |
| ![7-Hydroxyaristolochic acid I](image) | 7-Hydroxyaristolochic acid I  
7-Hydroxyaristolochic acid A from Aristolochia clematitis  
Art. 4616.98  
[C79185-75-4]  
C17H11NO8  
M 357.27  
>98.0 % | HPLC-DAD with UV-Spectrum | 10 mg | 315 |
|  |  |  | 20 mg | 590 |
| ![4-Hydroxyglucobrassicin](image) | 4-Hydroxy-3-indolylmethylglucosinolate K-salt from Brassica oleracea  
Art. 3427.95  
[C83327-20-2] (free acid)  
C16H15KN2O10S2  
M 502.56  
>95.0 % | HPLC-DAD with UV-Spectrum | 5 mg | 250 |
| ![13-Hydroxyfulpanine](image) | 13α-Hydroxy-2-sparteine from Lupinus angustifolius  
Art. 6321.95  
[C15358-48-2]  
C15H22N2O2  
M 264.37  
>95.0 % | HPLC-DAD with UV-Spectrum | 5 mg | 250 |
| ![18-Hydroxyspartioidine](image) | (15E)-Riddelline from Senecio riddellii  
Art. 6318.95  
[C18H20NO6]  
M 349.38  
>95.0 % | HPLC-DAD with UV-Spectrum | 5 mg | 245 |
| ![Hydroxytyrosol](image) | Hydroxytyrosol  
2-(3,4-Dihydroxyphenyl)ethanol from Olea europaea  
Art. 4440.RS  
[C10597-60-1]  
C6H10O3  
M 154.17  
>98.0 % | HPLC-DAD, TLC, 1H-NMR, 13C-NMR - (with Interpretation), UV, IR, MS | 25 mg | 240 |
# Catalogue of Natural Compounds

<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
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<tr>
<td><img src="image" alt="Hydroxytyrosol" /></td>
<td><strong>Hydroxytyrosol</strong>&lt;br&gt;2-(3,4-Dihydroxyphenyl)ethanol from Olea europaea&lt;br&gt;Art. 4440.98 [10597-60-1]&lt;br&gt;C_{8}H_{10}O_{3} M 154.17</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>25 mg</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>195</td>
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<tr>
<td><img src="image" alt="Hydroxyvaleranen acid" /></td>
<td><strong>Hydroxyvaleranen acid</strong> from Valeriana officinalis&lt;br&gt;Art. 4401.RS [1619-16-5]&lt;br&gt;C_{15}H_{22}O_{3} M 250.34</td>
<td>HPLC-DAD (2 methods), TLC (2 methods), ¹H-NMR, ¹³C-NMR - (with Interpretation), UV, IR, MS, Elemental analysis, Melting point</td>
<td>25 mg</td>
<td>276</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
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<tr>
<td><img src="image" alt="Hydroxyvaleranen acid" /></td>
<td><strong>Hydroxyvaleranen acid</strong> from Valeriana officinalis&lt;br&gt;Art. 4401.99 [1619-16-5]&lt;br&gt;C_{15}H_{22}O_{3} M 250.34</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>105</td>
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<tr>
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<td></td>
<td></td>
<td>25 mg</td>
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<tr>
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<td>50 mg</td>
<td>325</td>
</tr>
<tr>
<td><img src="image" alt="Hyperforin / Adhyperforin-Dicyclohexylammonium salt (4:1)" /></td>
<td><strong>Hyperforin / Adhyperforin-Dicyclohexylammonium salt (4:1)</strong>&lt;br&gt;natural mixture from Hypericum perforatum&lt;br&gt;Art. 4213.95 [238074-03-8]&lt;br&gt;C_{35}H_{51}O_{4} x C_{12}H_{24}N M 718.11</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>170</td>
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<tr>
<td></td>
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<td></td>
<td>10 mg</td>
<td>315</td>
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<tr>
<td><img src="image" alt="Hypericin" /></td>
<td><strong>Hypericin</strong> from Hypericum perforatum&lt;br&gt;Art. 3720.RS [548-04-9]&lt;br&gt;C_{30}H_{16}O_{8} M 504.45</td>
<td>HPLC-DAD, TLC, ¹H-NMR, ¹³C-NMR - (with Interpretation), UV, IR, MS, hr-MS, Melting point</td>
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<td>395</td>
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<tr>
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<td></td>
<td>5 mg</td>
<td>170</td>
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<tr>
<td><img src="image" alt="Hypericin Sodium salt" /></td>
<td><strong>Hypericin Sodium salt</strong> from Hypericum perforatum&lt;br&gt;Art. 3721.98 [-]&lt;br&gt;C_{30}H_{15}O_{8}Na M 526.43</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td></td>
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<td></td>
<td>10 mg</td>
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<td></td>
<td>20 mg</td>
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<tr>
<td><img src="image" alt="Hyperoside" /></td>
<td><strong>Hyperoside</strong>&lt;br&gt;Hyperin, Quercetin 3-galactoside from Hypericum perforatum&lt;br&gt;Art. 3252.RS [482-36-0]&lt;br&gt;C_{10}H_{6}O_{12} M 464.38</td>
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<td>50 mg</td>
<td>360</td>
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<td>100 mg</td>
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<td>Hyperin, Quercetin 3-galactoside from Hypericum perforatum</td>
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<td>Hyperin, Quercetin 3-galactoside from Hypericum perforatum</td>
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<td>Indicine hydrochloride</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>from Heliotropium indicum</td>
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<td><img src="image" alt="Integerrimine N-oxide structure" /></td>
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<tr>
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<td>from Symphytum officinale</td>
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<td>10 mg</td>
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</tr>
</tbody>
</table>

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<tbody>
<tr>
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<td><strong>Intermedine N-oxide</strong> from Symphytum officinale</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>205</td>
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<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Isoacteoside</strong> from Harpagophytum procumbens</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>186</td>
</tr>
<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Isoorientin</strong> see Homoorientin</td>
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<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Isoquercitrin</strong> from Sambucus nigra</td>
<td>HPLC-DAD (2 methods), TLC, $^1$H-NMR, $^1^3$C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
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<tr>
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<td><strong>Isoquercitrin</strong> from Tiliae officinalis</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Isoquercitrin</strong> from Tiliae officinalis</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>410</td>
</tr>
<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Isoquercitrin</strong> from Tiliae officinalis</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>100 mg</td>
<td>665</td>
</tr>
<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Isohamnetin</strong> 4'-O-Methylquercetin from Calendula officinalis</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>50 mg</td>
<td>185</td>
</tr>
<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Isoverbasoside</strong> see Isoacteoside</td>
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</tr>
<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Isovitexin</strong> 6-Glucosylapigenin from Passiflora incarnata</td>
<td>HPLC-DAD, TLC, $^1$H-NMR, $^1^3$C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>5 mg</td>
<td>200</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
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<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>HPLC-DAD with UV-Spectrum</td>
<td></td>
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<tr>
<td><img src="image" alt="Isovitexin" /></td>
<td>Isovitexin</td>
<td>6-Glucosylapigenin from Passiflora incarnata</td>
<td>Art. 3230.99 [38953-85-4] C_{21}H_{20}O_{10} M, 432.38</td>
<td>5 mg 124 10 mg 185</td>
</tr>
<tr>
<td><img src="image" alt="Isoxanthohumol" /></td>
<td>Isoxanthohumol</td>
<td>from Humulus lupulus</td>
<td>Art. 3325.99 [70872-29-6] C_{21}H_{22}O_{5} M, 354.40</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td><img src="image" alt="Jacobine" /></td>
<td>Jacobine</td>
<td>from Senecio jacobea</td>
<td>Art. 6219.98 [6870-67-3] C_{18}H_{25}NO_{6} M, 351.39</td>
<td>HPLC-DAD with UV-Spectrum</td>
</tr>
<tr>
<td><img src="image" alt="Jacobine N-oxide" /></td>
<td>Jacobine N-oxide</td>
<td>from Senecio jacobea</td>
<td>Art. 6222.96 [38710-25-7] C_{18}H_{25}NO_{6} M, 367.39</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td><img src="image" alt="Jacoline" /></td>
<td>Jacoline</td>
<td>from Senecio jacobea</td>
<td>Art. 6291.97 [480-76-2] C_{18}H_{27}NO_{7} M, 369.41</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td><img src="image" alt="Jacoline N-oxide" /></td>
<td>Jacoline N-oxide</td>
<td>from Senecio jacobea</td>
<td>Art. 6292.97 [-] C_{18}H_{27}NO_{7} M, 385.41</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td><img src="image" alt="Jaconine" /></td>
<td>Jaconine</td>
<td>from Senecio jacobea</td>
<td>Art. 6293.95 [480-75-1] C_{18}H_{26}CINO_{6} M, 387.86</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td><img src="image" alt="Kaempferol" /></td>
<td>Kaempferol</td>
<td>Robigenin, Trifolitin from Aesculus hippocastanum</td>
<td>Art. 3240.RS [520-18-3] C_{15}H_{20}O_{6} M, 286.24</td>
<td>HPLC-DAD, TLC, (^1)H-NMR, (^13)C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
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</tbody>
</table>

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<th>Quantity (unit)</th>
<th>Price [Euro]</th>
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<tbody>
<tr>
<td>Kaempferol</td>
<td>Robigenin, Trifolitin from Aesculus hippocastanum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>110</td>
</tr>
<tr>
<td></td>
<td>Art. 3240.99 [520-18-3]</td>
<td>C_{13}H_{20}O_{9}</td>
<td>M, 286.24</td>
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<tr>
<td></td>
<td>&gt;99.0 %</td>
<td></td>
<td>50 mg</td>
<td>220</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>100 mg</td>
<td>440</td>
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<tr>
<td>Kaempferol</td>
<td>Robigenin, Trifolitin from Aesculus hippocastanum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>250 mg</td>
<td>165</td>
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<tr>
<td></td>
<td>Art. 3240.97 [520-18-3]</td>
<td>C_{13}H_{20}O_{9}</td>
<td>M, 286.24</td>
<td></td>
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<tr>
<td></td>
<td>&gt;97.0 %</td>
<td></td>
<td>500 mg</td>
<td>295</td>
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<tr>
<td>Kaempferol 3-glucoside</td>
<td>Astragalin from Aesculus hippocastanum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>180</td>
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<tr>
<td></td>
<td>Art. 3242.99 [480-10-4]</td>
<td>C_{15}H_{20}O_{11}</td>
<td>M, 448.38</td>
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<td></td>
<td>&gt;99.0 %</td>
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<td>20 mg</td>
<td>330</td>
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<td>50 mg</td>
<td>740</td>
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<tr>
<td>Kaempferol 3-glucoside</td>
<td>Astragalin from Aesculus hippocastanum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>175</td>
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<tr>
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<td>Art. 3242.97 [480-10-4]</td>
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<td>M, 448.38</td>
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<tr>
<td></td>
<td>&gt;97.0 %</td>
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<td>50 mg</td>
<td>320</td>
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<tr>
<td>11-Keto-β-boswellic acid</td>
<td>3α,6α-Hydroxyurs-12-ene-11-keto-23-oic acid from Boswellia serrata</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>125</td>
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<tr>
<td></td>
<td>Art. 5152.99 [17019-92-0]</td>
<td>C_{30}H_{46}O_{4}</td>
<td>M, 470.69</td>
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<td>&gt;99.0 %</td>
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<td>10 mg</td>
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<td></td>
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<td>20 mg</td>
<td>346</td>
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<tr>
<td>Kuromanin chloride</td>
<td>see Cyanidin 3-glucoside chloride</td>
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<tr>
<td>Lasiocarpine</td>
<td>7-Angelyleuropine from Heliotropium</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>168</td>
</tr>
<tr>
<td></td>
<td>Art. 6210.97 [303-34-4]</td>
<td>C_{27}H_{34}NO_{7}</td>
<td>M, 411.49</td>
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<td></td>
<td>&gt;97.0 %</td>
<td></td>
<td>20 mg</td>
<td>295</td>
</tr>
<tr>
<td>Lasiocarpine N-oxide</td>
<td>7-Angelyleuropine N-oxide from Heliotropium</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>168</td>
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<tr>
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<td>Art. 6211.96 [127-30-0]</td>
<td>C_{27}H_{34}NO_{7}</td>
<td>M, 427.49</td>
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<tr>
<td></td>
<td>&gt;96.0 %</td>
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<td>20 mg</td>
<td>295</td>
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<tr>
<td>Leiocarposide</td>
<td>2'-Hydroxybenzyl-3-methoxybenzoate 2',4'-diglucoside from Solidago virgaurea</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td></td>
<td>Art. 2125.99 [71953-77-0]</td>
<td>C_{27}H_{34}O_{16}</td>
<td>M, 614.56</td>
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<td>&gt;99.0 %</td>
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<td>20 mg</td>
<td>366</td>
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</tbody>
</table>

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## Catalogue of Natural Compounds

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</tr>
</thead>
<tbody>
<tr>
<td><img src="structure1.png" alt="Structure" /></td>
<td><strong>Linarin</strong>&lt;br&gt;Acacetin 7-rutinoside from <em>Linaria vulgaris</em>&lt;br&gt;Art. 3210.98&lt;br&gt;[480-36-4]&lt;br&gt;C_{29}H_{32}O_{14} M. 592.57</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>128</td>
</tr>
<tr>
<td><img src="structure2.png" alt="Structure" /></td>
<td><strong>Lucidin 3-primveroside</strong>&lt;br&gt;Lucidin-3-O-beta-primveroside from <em>Rubia tinctoria</em>&lt;br&gt;Art. 3708.98&lt;br&gt;[29706-59-0]&lt;br&gt;C_{26}H_{28}O_{14} M. 564.49</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>220</td>
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<tr>
<td><img src="structure3.png" alt="Structure" /></td>
<td><strong>Lupanine</strong>&lt;br&gt;2-Oxosparteine from <em>Lupinus angustifolius</em>&lt;br&gt;Art. 6319.95&lt;br&gt;[550-90-3]&lt;br&gt;C_{15}H_{24}N_{2}O M. 248.37</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>250</td>
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<tr>
<td><img src="structure4.png" alt="Structure" /></td>
<td><strong>Lutein</strong>&lt;br&gt;Xanthophyll, 2,3-Carotene-3,3'-diam from <em>Brassica oleracea</em>&lt;br&gt;Art. 4205.90&lt;br&gt;[127-40-2]&lt;br&gt;C_{30}H_{40}O_{2} M. 568.88</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>136</td>
</tr>
<tr>
<td><img src="structure5.png" alt="Structure" /></td>
<td><strong>Luteolin</strong>&lt;br&gt;Digitoflavone from <em>Reseda luteola</em>&lt;br&gt;Art. 3260.RS&lt;br&gt;[491-70-3]&lt;br&gt;C_{15}H_{10}O_{6} M. 286.23</td>
<td>HPLC-DAD, TLC, 1H-NMR, 13C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
<td>240</td>
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<tr>
<td></td>
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<td>50 mg</td>
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<td><img src="structure6.png" alt="Structure" /></td>
<td><strong>Luteolin</strong>&lt;br&gt;Digitoflavone from <em>Reseda luteola</em>&lt;br&gt;Art. 3260.99&lt;br&gt;[491-70-3]&lt;br&gt;C_{15}H_{10}O_{6} M. 286.23</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>255</td>
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<tr>
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<td>100 mg</td>
<td>480</td>
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<td><img src="structure7.png" alt="Structure" /></td>
<td><strong>Luteolin 7-glucoside</strong>&lt;br&gt;Glucoluteolin from <em>Reseda luteola</em>&lt;br&gt;Art. 3262.RS&lt;br&gt;[5373-11-5]&lt;br&gt;C_{21}H_{26}O_{11} M. 448.38</td>
<td>HPLC-DAD (2 methods) TLC, 1H-NMR, 13C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
<td>240</td>
</tr>
<tr>
<td></td>
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<td>50 mg</td>
<td>395</td>
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<tr>
<td><img src="structure8.png" alt="Structure" /></td>
<td><strong>Luteolin 7-glucoside</strong>&lt;br&gt;Glucoluteolin from <em>Reseda luteola</em>&lt;br&gt;Art. 3262.99&lt;br&gt;[5373-11-5]&lt;br&gt;C_{21}H_{26}O_{11} M. 448.38</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>120</td>
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<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>250</td>
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<td>100 mg</td>
<td>470</td>
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<tbody>
<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>130</td>
</tr>
<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
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<td>5 mg</td>
<td>178</td>
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<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>315</td>
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<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
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<td>5 mg</td>
<td>205</td>
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<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>358</td>
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<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>150</td>
</tr>
<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>260</td>
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<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>129</td>
</tr>
<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>133</td>
</tr>
<tr>
<td>Lycopene</td>
<td>(\psi,\psi)-Carotene, (all-trans)-Lycopene from Solanum lycopersicum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td>Lycopene</td>
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<td>HPLC-DAD with UV-Spectrum</td>
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<tr>
<td>Lycopene</td>
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<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>150</td>
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<td><img src="image" alt="Structure" /></td>
<td><strong>Manassantin A</strong>&lt;br&gt;from Saururus chinensis&lt;br&gt;Art. 3101.98&lt;br&gt;[88497-87-4]&lt;br&gt;C_{42}H_{52}O_{11}, M 732.34</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>20 mg</td>
<td>370</td>
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<td><img src="image" alt="Structure" /></td>
<td><strong>Manassantin B</strong>&lt;br&gt;from Saururus chinensis&lt;br&gt;Art. 3103.98&lt;br&gt;[88497-88-5]&lt;br&gt;C_{41}H_{48}O_{11}, M 716.30</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>185</td>
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<td>20 mg</td>
<td>323</td>
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<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Merenskine</strong>&lt;br&gt;Chlordeoxysceleratine&lt;br&gt;from Senecio retrorsus&lt;br&gt;Art. 6223.97&lt;br&gt;[96657-94-2]&lt;br&gt;C_{18}H_{26}ClNO_{6}, M 387.85</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>153</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>285</td>
</tr>
<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Merenskine N-oxide</strong>&lt;br&gt;Chlordeoxysceleratinyl-N-oxide&lt;br&gt;from Senecio retrorsus&lt;br&gt;Art. 6225.97&lt;br&gt;[96657-95-3]&lt;br&gt;C_{18}H_{26}CINO_{7}, M 403.85</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>153</td>
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<td></td>
<td></td>
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<td>10 mg</td>
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<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Merepoxine</strong>&lt;br&gt;from Senecio retrorsus&lt;br&gt;Art. 6224.97&lt;br&gt;[115777-94-1]&lt;br&gt;C_{18}H_{25}NO_{6}, M 351.40</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>173</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>315</td>
</tr>
<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>Merepoxine N-oxide</strong>&lt;br&gt;from Senecio retrorsus&lt;br&gt;Art. 6226.97&lt;br&gt;[ - ]&lt;br&gt;C_{18}H_{25}NO_{7}, M 367.40</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>173</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>315</td>
</tr>
<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>4-Methoxyglucobrassicin</strong>&lt;br&gt;4-Methoxy-3-indolylmethyl glucosinolate K-salt&lt;br&gt;from Brassica oleracea&lt;br&gt;Art. 3432.94&lt;br&gt;[83327-21-3] (free acid)&lt;br&gt;C_{17}H_{20}KN_{2}O_{10}S_{2}, M 516.59</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>198</td>
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<tr>
<td><img src="image" alt="Structure" /></td>
<td><strong>11-(Methylsulfinyl)undecylglucosinolate</strong>&lt;br&gt;Potassium salt&lt;br&gt;from Camelina sativa&lt;br&gt;Art. 3432.97&lt;br&gt;[ - ]&lt;br&gt;C_{19}H_{30}KNO_{12}S_{3}, M 573.79</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>350</td>
</tr>
</tbody>
</table>

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

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Monocrotaline structure" /></td>
<td><strong>Monocrotaline</strong>&lt;br&gt;from Crotalaria&lt;br&gt;Art. 6227.99&lt;br&gt;( \text{C}<em>{16}\text{H}</em>{23}\text{NO}_6 ), M, 325.36&lt;br&gt;( &gt;99.0% )&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mg</td>
<td>180</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Monocrotaline N-oxide structure" /></td>
<td><strong>Monocrotaline N-oxide</strong>&lt;br&gt;from Crotalaria&lt;br&gt;Art. 6228.98&lt;br&gt;( \text{C}<em>{16}\text{H}</em>{23}\text{NO}_6 ), M, 341.36&lt;br&gt;( &gt;98.0% )&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>205</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>20 mg</td>
<td>360</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Morindin structure" /></td>
<td><strong>Morindin</strong>&lt;br&gt;from Morinda citrifolia&lt;br&gt;Art. 3271.97&lt;br&gt;( \text{C}<em>{26}\text{H}</em>{28}\text{O}_14 ), M, 564.50&lt;br&gt;( &gt;97.0% )&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>212</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Myricitrin structure" /></td>
<td><strong>Myricitrin</strong>&lt;br&gt;Myricetin 3-rhamnoside, Myricitroside&lt;br&gt;from Myrica cerifera&lt;br&gt;Art. 3258.99&lt;br&gt;( \text{C}<em>{21}\text{H}</em>{20}\text{O}_12 ), M, 464.38&lt;br&gt;( &gt;99.0% )&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>129</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mg</td>
<td>258</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Narciclasin structure" /></td>
<td><strong>Narciclasin</strong>&lt;br&gt;Lycorcidinol&lt;br&gt;from Narcissus pseudonarcissus&lt;br&gt;Art. 6350.97&lt;br&gt;( \text{C}<em>{14}\text{H}</em>{13}\text{NO}_7 ), M, 307.26&lt;br&gt;( &gt;97.0% )&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>215</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>20 mg</td>
<td>373</td>
<td></td>
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<tr>
<td><img src="image" alt="Naringenin structure" /></td>
<td><strong>Naringenin</strong>&lt;br&gt;Naringetol, Pelarginadon&lt;br&gt;from Citrus paradisi&lt;br&gt;Art. 3323.98&lt;br&gt;( \text{C}<em>{15}\text{H}</em>{20}\text{O}_8 ), M, 272.26&lt;br&gt;( &gt;98.0% )&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mg</td>
<td>223</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Naringin structure" /></td>
<td><strong>Naringin</strong>&lt;br&gt;Naringenin 7-rhamnoglucoside, Aurantiin&lt;br&gt;from Citrus paradisi&lt;br&gt;Art. 3322.99&lt;br&gt;( \text{C}<em>{15}\text{H}</em>{20}\text{O}_8 ), M, 580.54&lt;br&gt;( &gt;99.0% )&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mg</td>
<td>223</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Neogluconobrassinin structure" /></td>
<td><strong>Neogluconobrassinin</strong>&lt;br&gt;1-Methoxy-3-indolymethylglucosinolate K-salt&lt;br&gt;from Brassica oleracea&lt;br&gt;Art. 3434.97&lt;br&gt;( \text{C}<em>{17}\text{H}</em>{22}\text{KN}<em>2\text{O}</em>{10}\text{S}_2 ), M, 516.59&lt;br&gt;( &gt;97.0% )&lt;br&gt;HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>198</td>
<td></td>
</tr>
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<tbody>
<tr>
<td><img src="structure1.png" alt="Structure" /></td>
<td>Oenin chloride Malvidin 3-glucoside chloride from Vitis vinifera</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>148</td>
</tr>
<tr>
<td>Art. 5007.97</td>
<td>&gt;97.0 %</td>
<td>20 mg</td>
<td>252</td>
<td></td>
</tr>
<tr>
<td><img src="structure2.png" alt="Structure" /></td>
<td>Oenin chloride Malvidin 3-glucoside chloride from Vitis vinifera</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>100 mg</td>
<td>170</td>
</tr>
<tr>
<td>Art. 5007.85</td>
<td>&gt;85.0 %</td>
<td>20 mg</td>
<td>240</td>
<td></td>
</tr>
<tr>
<td><img src="structure3.png" alt="Structure" /></td>
<td>Oleuropein from Olea europaea</td>
<td>HPLC-DAD, TLC, 'H-NMR, 13C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>20 mg</td>
<td>240</td>
</tr>
<tr>
<td>Art. 2111.RS</td>
<td>&gt;98.0 %</td>
<td>50 mg</td>
<td>395</td>
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</tr>
<tr>
<td><img src="structure4.png" alt="Structure" /></td>
<td>Oleuropein from Olea europaea</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>140</td>
</tr>
<tr>
<td>Art. 2111.98</td>
<td>&gt;98.0 %</td>
<td>50 mg</td>
<td>280</td>
<td></td>
</tr>
<tr>
<td><img src="structure5.png" alt="Structure" /></td>
<td>Oleuropein from Olea europaea</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>500 mg</td>
<td>155</td>
</tr>
<tr>
<td>Art. 2111.90</td>
<td>&gt;90.0 %</td>
<td>1000 mg</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td><img src="structure6.png" alt="Structure" /></td>
<td>α-Onocerin from Ononis spinosa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>170</td>
</tr>
<tr>
<td>Art. 4214.98</td>
<td>&gt;98.0 %</td>
<td>20 mg</td>
<td>308</td>
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<tr>
<td><img src="structure7.png" alt="Structure" /></td>
<td>Orientin 8-C-Glucoluteolin, Lutexin from Adonis vernalis</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>112</td>
</tr>
<tr>
<td>Art. 3276.99</td>
<td>&gt;99.0 %</td>
<td>10 mg</td>
<td>169</td>
<td></td>
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<tr>
<td><img src="structure8.png" alt="Structure" /></td>
<td>Otonecin from Senecio vulgaris</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>1 mg</td>
<td>150</td>
</tr>
<tr>
<td>Art.-Nr. 6288.95</td>
<td>&gt;95.0 %</td>
<td>5 mg</td>
<td>330</td>
<td></td>
</tr>
</tbody>
</table>
Pectolinarigenin
5,7-Dihydroxy-4',6-dimethoxyflavone from Linaria vulgaris
Art. 3212.97
>97.0 %
C17H14O6 M 314.30
HPLC-DAD with UV-Spectrum
10 mg 170
20 mg 300

Pectolinarin
Pectolinaroside, Neolinarin from Linaria vulgaris
Art. 3211.98
>98.0 %
C20H18O13 M 622.58
HPLC-DAD with UV-Spectrum
10 mg 170
20 mg 300

Pelargonidin chloride
from Pelargonium zonale
Art. 5006.97
>97.0 %
C15H11O5 Cl M 306.70
HPLC-DAD with UV-Spectrum
10 mg 144

Pelargonidin 3,5-diglucoside chloride
Pelargonin chloride, Salvinin from Pelargonium zonale
Art. 5025.97
>97.0 %
C20H18O13 Cl M 630.97
HPLC-DAD with UV-Spectrum
5 mg 115
10 mg 210

Pelargonidin 3-glucoside chloride
from Fragaria
Art. 5024.97
>97.0 %
C21H21O10 Cl M 468.84
HPLC-DAD with UV-Spectrum
5 mg 120
10 mg 190

Penduletin
5,4'-Dihydroxy-3,6,7-trimethoxyflavone from Vitex agnus castus
Art. 3327.97
>97.0 %
C18H16O7 Cl M 344.32
HPLC-DAD with UV-Spectrum
5 mg 160
10 mg 280

Peonidin chloride
from Rosa centifolia
Art. 5010.97
>97.0 %
C16H13O7 Cl M 336.73
HPLC-DAD with UV-Spectrum
5 mg 125
10 mg 235

Peonidin 3,5-diglucoside chloride
Paeonine from Rosa centifolia
Art. 5026.95
>95.0 %
C20H18O11 Cl M 661.01
HPLC-DAD with UV-Spectrum
5 mg 140
10 mg 230

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<tbody>
<tr>
<td><img src="image1.png" alt="Peonidin 3-glucoside chloride" /></td>
<td>Peonidin 3-glucoside chloride from Vitis vinifera</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>258</td>
</tr>
<tr>
<td><img src="image2.png" alt="Petunidin 3-glucoside chloride" /></td>
<td>Petunidin 3-glucoside chloride from Vitis vinifera</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>265</td>
</tr>
<tr>
<td><img src="image3.png" alt="Picroside II" /></td>
<td>Picroside II 6-Vanilloylcataplo from Picrorhiza kurrooa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>260</td>
</tr>
<tr>
<td><img src="image4.png" alt="Primin" /></td>
<td>Primin 2-Methoxy-6-pentyl-p-benzoquinone synthetic</td>
<td>HPLC-DAD (2 methods), TLC (2 methods), 1H-NMR, 13C-NMR - (with Interpretation), UV, IR, MS, Melting point, Elemental analysis</td>
<td>20 mg</td>
<td>290</td>
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<td></td>
<td></td>
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<td>50 mg</td>
<td>550</td>
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<tr>
<td><img src="image5.png" alt="Primulaverin" /></td>
<td>Primulaverin from Primula veris</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>156</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>268</td>
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<tr>
<td><img src="image6.png" alt="Primverin" /></td>
<td>Primverin Primeverin from Primula veris</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>157</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>264</td>
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<tr>
<td><img src="image7.png" alt="Progoitrin" /></td>
<td>Progoitrin 2-Hydroxybut-3-enylglucosinolate K-salt from Brassica napus</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>230</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>470</td>
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<tr>
<td><img src="image1" alt="Structure" /></td>
<td><strong>Protopine</strong>&lt;br&gt;Fumarine, Biflorine, Macleyine from Chelidonium majus&lt;br&gt;Art. 6307.98&lt;br&gt;([130-86-9])&lt;br&gt;(C_{20}H_{19}NO_5) (M, 353.37)</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>132</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>243</td>
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<td></td>
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<td>50 mg</td>
<td>505</td>
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<tr>
<td><img src="image2" alt="Structure" /></td>
<td><strong>Pseudohypericin</strong>&lt;br&gt;from Hypericum perforatum&lt;br&gt;Art. 3272.97&lt;br&gt;([55954-61-5])&lt;br&gt;(C_{20}H_{19}O_9) (M, 520.43)</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>190</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>520</td>
</tr>
<tr>
<td><img src="image3" alt="Structure" /></td>
<td><strong>Punicalagin</strong>&lt;br&gt;from Punica granatum&lt;br&gt;Art. 3313.97&lt;br&gt;([65996-63-3])&lt;br&gt;(C_{20}H_{28}O_{30}) (M, 1084.72)</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>235</td>
</tr>
<tr>
<td><img src="image4" alt="Structure" /></td>
<td><strong>Punicalin</strong>&lt;br&gt;from Punica granatum&lt;br&gt;Art. 3314.97&lt;br&gt;([65996-64-4])&lt;br&gt;(C_{20}H_{28}O_{30}) (M, 1084.72)</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>325</td>
</tr>
<tr>
<td><img src="image5" alt="Structure" /></td>
<td><strong>Quercetin</strong>&lt;br&gt;Sophoretin, Meletin&lt;br&gt;synthetic from Rutin&lt;br&gt;Art. 3201.RS&lt;br&gt;([117-39-5])&lt;br&gt;(C_{15}H_{10}O_7) (M, 302.24)</td>
<td>HPLC-DAD, TLC, (^1)H-NMR, (^1^C)-NMR - (with Interpretation), UV, IR, MS, Melting point, Elemental analysis</td>
<td>20 mg</td>
<td>220</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>100 mg</td>
<td>520</td>
</tr>
<tr>
<td><img src="image6" alt="Structure" /></td>
<td><strong>Quercetin dihydrate</strong>&lt;br&gt;Sophoretin, Meletin&lt;br&gt;synthetic from Rutin&lt;br&gt;Art. 3201.99&lt;br&gt;([6151-25-3])&lt;br&gt;(C_{15}H_{10}O_7\cdot 2H_2O) (M, 338.27)</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>95</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>175</td>
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<tr>
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<td></td>
<td>100 mg</td>
<td>300</td>
</tr>
<tr>
<td><img src="image7" alt="Structure" /></td>
<td><strong>Quercitrin</strong>&lt;br&gt;Quercetin 3-rhamnoside, Quercitrosides from Aesculus hippocastanum&lt;br&gt;Art. 3253.RS&lt;br&gt;([522-12-3])&lt;br&gt;(C_{15}H_{10}O_7) (M, 448.38)</td>
<td>HPLC-DAD (2 methods) TLC, (^1)H-NMR, (^1^C)-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>10 mg</td>
<td>225</td>
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<tr>
<td></td>
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<td>20 mg</td>
<td>355</td>
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<td></td>
<td>50 mg</td>
<td>685</td>
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<tr>
<td><img src="image8" alt="Structure" /></td>
<td><strong>Quercitrin</strong>&lt;br&gt;Quercetin 3-rhamnoside, Quercitrosides from Aesculus hippocastanum&lt;br&gt;Art. 3253.99&lt;br&gt;([522-12-3])&lt;br&gt;(C_{15}H_{10}O_7) (M, 448.38)</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>95</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>325</td>
</tr>
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<tr>
<td><img src="image" alt="Retronecine" /></td>
<td>Retronecine</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>180</td>
</tr>
<tr>
<td>Art. 6282.95 [480-85-3]</td>
<td>&gt;95.0 % C_{8}H_{13}NO_{2} M, 155.19</td>
<td>10 mg</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Retronecine N-oxide" /></td>
<td>Retronecine N-oxide</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>220</td>
</tr>
<tr>
<td>Art. 6285.97 [6870-33-3]</td>
<td>&gt;97.0 % C_{8}H_{13}NO_{2} M, 171.19</td>
<td>10 mg</td>
<td>390</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Retrorsine" /></td>
<td>Retrorsine</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>150</td>
</tr>
<tr>
<td>Art. 6203.98 [480-54-6]</td>
<td>&gt;98.0 % C_{18}H_{25}NO_{6} M, 351.40</td>
<td>50 mg</td>
<td>295</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Retrorsine" /></td>
<td>Retrorsine</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>100 mg</td>
<td>235</td>
</tr>
<tr>
<td>Art. 6203.95 [480-54-6]</td>
<td>&gt;95.0 % C_{18}H_{25}NO_{6} M, 351.40</td>
<td>500 mg</td>
<td>645</td>
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</tr>
<tr>
<td><img src="image" alt="Retrorsine N-oxide" /></td>
<td>Retrorsine N-oxide</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>150</td>
</tr>
<tr>
<td>Art. 6253.96 [15503-86-3]</td>
<td>&gt;96.0 % C_{18}H_{25}NO_{7} M, 367.40</td>
<td>20 mg</td>
<td>260</td>
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</tr>
<tr>
<td><img src="image" alt="Rhein" /></td>
<td>Rhein</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>100</td>
</tr>
<tr>
<td>Art. 3272.99 [478-43-3]</td>
<td>&gt;99.0 % C_{15}H_{16}O_{6} M, 284.23</td>
<td>50 mg</td>
<td>230</td>
<td></td>
</tr>
<tr>
<td>100 mg</td>
<td>420</td>
<td></td>
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<tr>
<td><img src="image" alt="Rhein" /></td>
<td>Rhein</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>250 mg</td>
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<tr>
<td>Art. 3272.97 [478-43-3]</td>
<td>&gt;97.0 % C_{15}H_{16}O_{6} M, 284.23</td>
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<tr>
<td><img src="image" alt="Rhein-8-O-glucoside" /></td>
<td>Rhein-8-O-glucoside</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>155</td>
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<tr>
<td>Art. 3273.98 [34298-86-7]</td>
<td>&gt;98.0 % C_{21}H_{18}O_{11} M, 446.37</td>
<td>20 mg</td>
<td>260</td>
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</table>

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.
<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riddelline</td>
<td>Riddelline, 18-Hydroxyseneciphylline from Senecio riddellii</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>190</td>
</tr>
<tr>
<td>Riddelline N-oxide</td>
<td>Riddelline N-oxide from Senecio riddellii</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td>210</td>
</tr>
<tr>
<td>Rinderine</td>
<td>from Cynoglossum officinale</td>
<td>HPLC-DAD with UV-Spectrum</td>
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</tr>
<tr>
<td>Rinderine N-oxide</td>
<td>from Cynoglossum officinale</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>370</td>
</tr>
<tr>
<td>Robinin</td>
<td>Kaempferol 3-robinoside 7-rhamnoside from Pseudoacacia</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td>Rosmarinic acid</td>
<td>from Rosmarinus officinalis</td>
<td>HPLC-DAD, TLC 1H-NMR, 13C-NMR - (with Interpretation), UV, IR, MS, Melting point, content of water, content of residual solvents</td>
<td>20 mg</td>
<td>240</td>
</tr>
<tr>
<td>Rosmarinic acid</td>
<td>from Rosmarinus officinalis</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>110</td>
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<tr>
<td>Ruberythric acid</td>
<td>Alizarin-2-O-β-D-primveroside, Rubianic acid from Rubia tinctorum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>160</td>
</tr>
</tbody>
</table>
# Catalogue of Natural Compounds

<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
</table>
| ![Rutin structure](image) | **Rutin**  
Rutoside, Quercetin 3-rutinoside, Sophorin from Sophora japonica  
Art. 3256.99  
[153-18-4]  
C_{27}H_{30}O_{16}  
M, 610.52 | HPLC-DAD with UV-Spectrum | 50 mg | 120 |
|                     |                                                                          |                     | 100 mg | 200 |
| ![Ryanodine structure](image) | **Ryanodine**  
Ryanodol-3-(1H-pyrole-2-carboxylate) from Ryania speciosa  
Art. 6290.98  
[15662-33-6]  
C_{25}H_{35}NO_{9}  
M, 493.55 | HPLC-DAD with UV-Spectrum | 1 mg | 107 |
|                     |                                                                          |                     | 5 mg | 431 |
| ![Saponarin structure](image) | **Saponarin**  
from Saponaria officinalis  
Art. 3232.98  
[20310-89-8]  
C_{27}H_{30}O_{15}  
M, 594.53 | HPLC-DAD with UV-Spectrum | 10 mg | 170 |
|                     |                                                                          |                     | 20 mg | 280 |
| ![Sceleratine structure](image) | **Sceleratine**  
from Senecio retrorsus  
Art. 6229.97  
[6190-25-6]  
C_{18}H_{27}NO_{7}  
M, 369.41 | HPLC-DAD with UV-Spectrum | 10 mg | 250 |
| ![Sceleratine N-oxide structure](image) | **Sceleratine N-oxide**  
from Senecio retrorsus  
Art. 6230.97  
[103184-92-5]  
C_{18}H_{27}NO_{8}  
M, 385.41 | HPLC-DAD with UV-Spectrum | 10 mg | 250 |
| ![Senecionine structure](image) | **Senecionine**  
Aureine, 12-Hydroxysenecionan-11,16-dione from Senecio vulgaris  
Art. 6202.RS  
[130-01-8]  
C_{18}H_{25}NO_{5}  
M, 335.39 | HPLC-DAD, GC-MS TLC, ^1H-NMR, ^13C-NMR - (with Interpretation), UV, IR, MS, Melting point | 20 mg | 290 |
|                     |                                                                          |                     | 50 mg | 600 |
| ![Senecionine structure](image) | **Senecionine**  
Aureine, 12-Hydroxysenecionan-11,16-dione from Senecio vulgaris  
Art. 6202.99  
[130-01-8]  
C_{18}H_{25}NO_{5}  
M, 335.39 | HPLC-DAD with UV-Spectrum | 10 mg | 145 |
|                     |                                                                          |                     | 20 mg | 225 |
| ![Senecionine N-oxide structure](image) | **Senecionine N-oxide**  
12-Hydroxysenecionan-11,16-dione 4-oxide from Senecio vulgaris  
Art. 6252.97  
[13268-67-2]  
C_{18}H_{27}NO_{8}  
M, 351.39 | HPLC-DAD with UV-Spectrum | 10 mg | 230 |

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## Catalogue of Natural Compounds

<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
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<tbody>
<tr>
<td><img src="image" alt="Seneciphylline" /></td>
<td>Seneciphylline</td>
<td>HPLC-DAD, GC-MS, TLC, ^1^H-NMR, ^1^C-NMR - (with interpretation), UV, IR, MS, Melting point</td>
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<td>325</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>50 mg</td>
<td>698</td>
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<tr>
<td><img src="image" alt="Seneciphylline" /></td>
<td>Seneciphylline</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>155</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>20 mg</td>
<td>272</td>
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<tr>
<td><img src="image" alt="Seneciphylline N-oxide" /></td>
<td>Seneciphylline N-oxide</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>258</td>
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<tr>
<td><img src="image" alt="Senecivernine" /></td>
<td>Senecivernine</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>156</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>278</td>
</tr>
<tr>
<td><img src="image" alt="Senecivernine N-oxide" /></td>
<td>Senecivernine N-oxide</td>
<td>HPLC-DAD with UV-Spectrum</td>
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<td></td>
<td></td>
<td></td>
<td>10 mg</td>
<td>300</td>
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<td><img src="image" alt="Senkirkine" /></td>
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<td>HPLC-DAD with UV-Spectrum</td>
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<td>20 mg</td>
<td>360</td>
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<td><img src="image" alt="Sennoside A" /></td>
<td>Sennoside A</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>105</td>
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<td>20 mg</td>
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<td>50 mg</td>
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<td><img src="image" alt="Sennoside A1" /></td>
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<td>10 mg</td>
<td>170</td>
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<tr>
<td></td>
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<td>20 mg</td>
<td>242</td>
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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.
<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivere</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
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<tbody>
<tr>
<td>Sennoside B</td>
<td>from Cassia angustifolia</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td>Art. 3281.98</td>
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<tr>
<td>[128-57-4]</td>
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<tr>
<td>C_{42}H_{38}O_{20}</td>
<td>M, 862.72</td>
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<tr>
<td>Sennoside C</td>
<td>from Cassia angustifolia</td>
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<tr>
<td>Art. 3286.95</td>
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<td>[37271-16-2]</td>
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<td>C_{42}H_{40}O_{19}</td>
<td>M, 848.76</td>
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<tr>
<td>[6]-Shogaol</td>
<td>1-(4-Hydroxy-3-methoxyphenyl)-4-decen-3-one from Zingiber officinale</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td>Art. 4310.96</td>
<td>&gt;96.0 %</td>
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<td>[555-66-8]</td>
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<td>C_{17}H_{24}O_{3}</td>
<td>M, 276.37</td>
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<tr>
<td>Silybin</td>
<td>Diastereomeric mixture of Silybin A and B Silibinin, Silymarin I from Silybum marianum</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
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<tr>
<td>Art. 3215.98</td>
<td>&gt;98.0 %</td>
<td>50 mg</td>
<td>214</td>
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<tr>
<td>[22888-70-6] or [36804-17-8]</td>
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<td>C_{25}H_{22}O_{10}</td>
<td>M, 482.44</td>
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<tr>
<td>Sinalbin</td>
<td>Sinapine glucosinalbate from Sinapis alba</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>130</td>
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<tr>
<td>Art. 3409.99</td>
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<td>C_{14}H_{18}NO_{10}</td>
<td>M, 734.79</td>
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<td>Sinalbin Potassium salt</td>
<td>Glucosinalbin Potassium salt from Sinapis alba</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
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<tr>
<td>Art. 3410.97</td>
<td>&gt;97.0 %</td>
<td>50 mg</td>
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<td>[16411-05-5]</td>
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<td>C_{14}H_{20}NO_{15}S_{2}K</td>
<td>M, 463.52</td>
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<td>Sinensetin</td>
<td>3',4',5,6,7-Pentamethoxyflavone from Orthosiphon stamineus</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
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<tr>
<td>Art. 3263.98</td>
<td>&gt;98.0 %</td>
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<td>[2306-26-6]</td>
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<td>C_{20}H_{20}O_{7}</td>
<td>M, 372.38</td>
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<td>Sinigrin Monohydrate</td>
<td>Sinigroside, Allylglucosinolate, Potassium myronate from Sinapis nigra</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>50 mg</td>
<td>134</td>
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<tr>
<td>Art. 3401.99</td>
<td>&gt;99.0 %</td>
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<tr>
<td>[3952-98-5]</td>
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<tr>
<td>C_{10}H_{14}KNO_{8}S_{2}·H_{2}O</td>
<td>M, 415.48</td>
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</tbody>
</table>

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<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Sinigrin Monohydrate" /></td>
<td>Sinigrin Monohydrate</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>1 g</td>
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<tr>
<td>Sinigrin Monohydrate</td>
<td>Sinigrin Monohydrate</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>110</td>
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<td>HPLC-DAD with UV-Spectrum</td>
<td>50 mg</td>
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<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>129</td>
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<td>Sinigrin Monohydrate</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>20 mg</td>
<td>225</td>
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<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>161</td>
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<td>Sinigrin Monohydrate</td>
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<tr>
<td>Structure</td>
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<td>Price [Euro]</td>
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<tr>
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<td>Trichodesmine</td>
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<td>Trichodesmine from Crotalaria spec.</td>
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<td>Art. 6322.98</td>
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<td>Trifolirhizin from Baptisia tinctoria</td>
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<td>Umckalin 7-Hydroxy-5,6-dimethoxycoumarin from Pelargonium sidoides</td>
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<td>Ursolic acid</td>
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<td>Ursolic acid (3β)-3-Hydroxy-12-ursen-28-oic acid from Arctostaphylos uva ursi</td>
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<td>[77-52-1]</td>
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<td></td>
<td>Usaramine</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>220</td>
</tr>
<tr>
<td></td>
<td>Usaramine (15E)-Retrorsine, Ursamine, Mucronatine from Senecio retrorsus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art. 6315.96</td>
<td>&gt;96.0 %</td>
<td></td>
<td>[15503-87-4]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Usaramine N-oxide</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>220</td>
</tr>
<tr>
<td></td>
<td>Usaramine N-oxide (15E)-Retrorsine N-oxide from Senecio retrorsus</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Art. 6316.96</td>
<td>&gt;96.0 %</td>
<td></td>
<td>[117020-54-9]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Valerenic acid</td>
<td>HPLC-DAD (2 methods), TLC (2 methods), 1H-NMR, 13C-NMR (with Interpretation), UV, IR, MS, Melting point, Elemental analysis, content of water, content of residual solvents</td>
<td>25 mg</td>
<td>315</td>
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<tr>
<td></td>
<td>Valerenic acid from Valeriana officinalis</td>
<td></td>
<td>50 mg</td>
<td>500</td>
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<tr>
<td>Art. 4400.RS</td>
<td>&gt;99.0 %</td>
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<td>[3569-10-6]</td>
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<tr>
<td></td>
<td>Valerenic acid</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>25 mg</td>
<td>200</td>
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<tr>
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<td>Valerenic acid from Valeriana officinalis</td>
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<td>50 mg</td>
<td>345</td>
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<tr>
<td>Art. 4400.99</td>
<td>&gt;99.0 %</td>
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<td>[3569-10-6]</td>
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<td></td>
<td>Verbascoside</td>
<td>HPLC-DAD</td>
<td>10 mg</td>
<td>100</td>
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<tr>
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<td>Verbascoside see Acteoside</td>
<td></td>
<td>25 mg</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>Verbascoside</td>
<td>HPLC-DAD</td>
<td>50 mg</td>
<td>345</td>
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<tr>
<td></td>
<td>Verbascoside</td>
<td>HPLC-DAD</td>
<td>100 mg</td>
<td>615</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Vescalagin" /></td>
<td>Vescalagin from Castanea sativa</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>185</td>
</tr>
<tr>
<td></td>
<td>Art. 3312.96 [36001-47-5]</td>
<td>20 mg</td>
<td>346</td>
<td></td>
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<tr>
<td></td>
<td>C_{41}H_{26}O_{26} M, 934.63</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><img src="image" alt="e-Viniferin" /></td>
<td>e-Viniferin trans-epsilon-Viniferin, (−)-e-Viniferin from Vitis vinifera</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>145</td>
</tr>
<tr>
<td></td>
<td>Art. 3350.98 [62218-08-0]</td>
<td>20 mg</td>
<td>250</td>
<td></td>
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<tr>
<td></td>
<td>C_{28}H_{22}O_{6} M, 454.48</td>
<td>50 mg</td>
<td>530</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Vitexin" /></td>
<td>Vitexin 8-Glucosylapigenin, Orientoside from Crataegus monogyna</td>
<td>HPLC-DAD, TLC, ^1H-NMR, ^13C-NMR - (with Interpretation), UV, IR, MS, Melting point</td>
<td>10 mg</td>
<td>290</td>
</tr>
<tr>
<td></td>
<td>Art. 3234.RS [3681-93-4]</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>C_{21}H_{20}O_{10} M, 432.38</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Vitexin" /></td>
<td>Vitexin 8-Glucosylapigenin, Orientoside from Crataegus monogyna</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>5 mg</td>
<td>105</td>
</tr>
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<td></td>
<td>Art. 3234.99 [3681-93-4]</td>
<td>10 mg</td>
<td>155</td>
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<td></td>
<td>C_{21}H_{20}O_{10} M, 432.38</td>
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<td></td>
</tr>
<tr>
<td><img src="image" alt="Vitexin-2&quot;-O-rhamnoside" /></td>
<td>Vitexin-2&quot;-O-rhamnoside from Crataegus monogyna</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>105</td>
</tr>
<tr>
<td></td>
<td>Art. 3236.99 [64820-99-1]</td>
<td>20 mg</td>
<td>183</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C_{27}H_{30}O_{14} M, 578.53</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Wogonin" /></td>
<td>Wogonin 5,7-Dihydroxy-8-methoxyflavone from Scutellaria baicalensis</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Art. 3213.97 [632-85-9]</td>
<td>20 mg</td>
<td>178</td>
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</tr>
<tr>
<td></td>
<td>C_{16}H_{12}O_{5} M, 284.27</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Wogonoside" /></td>
<td>Wogonoside Wogonin-7-β-D-glucopyranosiduronic acid Wogonin 7-glucuronide, Oroxindin from Scutellaria baicalensis</td>
<td>HPLC-DAD with UV-Spectrum</td>
<td>10 mg</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>Art. 3214.97 [51059-44-0]</td>
<td>20 mg</td>
<td>277</td>
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<tr>
<td></td>
<td>C_{22}H_{20}O_{11} M, 460.39</td>
<td></td>
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</tr>
<tr>
<td><img src="image" alt="Xanthohumol" /></td>
<td>Xanthohumol from Humulus lupulus</td>
<td>HPLC-DAD, TLC ^1H-NMR, ^13C-NMR - (with Interpretation), UV, IR, MS, Melting point, content of water, content of residual solvents</td>
<td>20 mg</td>
<td>310</td>
</tr>
<tr>
<td></td>
<td>C_{21}H_{22}O_{5} M, 354.40</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Structure</th>
<th>Compound</th>
<th>Documents delivered</th>
<th>Quantity (unit)</th>
<th>Price [Euro]</th>
</tr>
</thead>
</table>
| ![Structure](Image) | **Xanthohumol**  
from Humulus lupulus  
Art. 3324.99  
[6754-58-1] or [569-83-5]  
C\textsubscript{21}H\textsubscript{22}O\textsubscript{5}  
M, 354.40 | HPLC-DAD with UV-Spectrum | 10 mg | 120 |
|           |                   |                     | 20 mg | 175 |
|           |                   |                     | 50 mg | 355 |

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

The actual shipment costs are outlined in the order confirmation.

Payment conditions

Sale against payment in advance
by Wire Transfer -toll free- to the following account:
PHYTOPLAN Diehm & Neuberger GmbH
Heidelberger Volksbank eG (Bank code 67 29 00 00) Account No. 22 59 06 77
Kurfürstenanlage 8, D-69115 Heidelberg, Germany
For international wire transfers:
BIC: GENODE61HD1
IBAN: DE67 6729 0000 0022590677
VAT ID: DE190955227

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

## Certificate of Analysis

**Product name:** Kaempferol-3-glucoside

### Basic data

- **Denomination:** Kaempferol-3-glucoside
- **Batch No.:** 0107202
- **Formula:** C_{21}H_{28}O_{14}
- **Molecular weight:** 448.39
- **Storage temperature:** 4 °C
- **Last purity control:** July 2003

### Molecular formula

![Molecular formula of Kaempferol-3-glucoside](image)

### Properties

- **Appearance:** Yellow needles
- **Solubility:** Soluble in hot methanol, low soluble in water

### Identity

- **Melting point, \( m^\circ \):** 165-175 °C (methanol/ether), 165-170 °C confirms
- **IR:** consistent with reference spectrum
- **UV:** peak at \( \lambda_{max} \) 254 nm, Spectrum Max Plot
- **FAB-MS:** conform at \( m/z \) 449
- **IR:** consistent with reference spectrum

### Purity

- **HPLC:** content of impurities at 254 nm: < 1.0 %, Spectrum Max Plot

### Assay

- **HPLC:** 99.5 % at 254 nm, Spectrum Max Plot

### Result

The product meets the requirements.

Dr. M. Diehm  
(Quality Control)

---

### Analytical Report to the Certificate of Analysis (CA)

**Product name:** Kaempferol-3-glucoside

**Batch No.:** 0107202

### Table of contents

1. Manufacturing Procedure
2. Characteristics
3. Melting Point
4. TLC-Analysis
5. HPLC-Analysis
6. 1H-NMR-Spectrum
7. 13C-NMR-Spectrum
8. 40 °C / 10 mbar over a period of 24 hours.
9. FT-IR-Spectrum
10. Melting Point
11. Instrumentation
12. References

---

### TLC-Chromatogram (1:1)

**Parameters**

- **Plate:** 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)
- **Development:** U (D179) chamber solution
- **Detection:** \( Rf \), Diphénylborin (Natrosothefenol A), 10 % in ethanol, after drying spraying with macrogel K-15/min. at 110 °C, visualized at UV 254:
- **Applied quantities:** 20, 10 µg
- **Chromatogram:** 1 spot with one very weak impurity below at \( Rf = 0.49 \) (UV 254)

**References**

- Hyperoside
- Trace 2 + 3: Kaempferol-3-glucoside, 20, 10 µg; after spraying with Natrosothefenol A
Certificate of Analysis using the example of the reference substance
Kaempferol-3-glucoside, Art. 3242.RS
Certificate of Analysis using the example of the reference substance Kaempferol-3-glucoside, Art. 3242.RS

Analytical Report to the Certificate of Analysis (CA)

Kaempferol-3-glucoside
Batch No.: 0107202

1H NMR-Spectrum
300 MHz, 297 K, solvent: DMSO-\text{d}_6

Assignment of the signals

<table>
<thead>
<tr>
<th>Proton at C-Atom</th>
<th>Chemical shift</th>
<th>Comparison data</th>
<th>solvent-signals, OH-signals</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>6.21, d (2.0 Hz)</td>
<td>6.21, d (2.0 Hz)</td>
<td>2.50 (DMSO)</td>
</tr>
<tr>
<td>5</td>
<td>6.42, d (2.0 Hz)</td>
<td>6.44, d (2.0 Hz)</td>
<td>2.52 (water signal of the solvent)</td>
</tr>
<tr>
<td>2*</td>
<td>5.04, d (8.8 Hz)</td>
<td>5.04, d (8.8 Hz)</td>
<td>5.33, 5.54, 4.52, 4.25 (OH-signals)</td>
</tr>
<tr>
<td>3*</td>
<td>6.08, d (4.4 Hz)</td>
<td>6.08, d (4.4 Hz)</td>
<td>12.62 (OH hydrogen bridge)</td>
</tr>
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<td>5'</td>
<td>6.04, d (8.8 Hz)</td>
<td>6.04, d (8.8 Hz)</td>
<td></td>
</tr>
<tr>
<td>1'</td>
<td>5.46, d (7.3 Hz)</td>
<td>5.45, d (7.4 Hz)</td>
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<tr>
<td>2''</td>
<td>3.05-3.19 m</td>
<td>no data cited</td>
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</tr>
<tr>
<td>3''</td>
<td>3.05-3.19 m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4''</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>6''</td>
<td>3.05-3.19 m</td>
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<tr>
<td>6''</td>
<td>3.35, di (0.0 Hz, 11.5 Hz)</td>
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</tr>
</tbody>
</table>

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

Analytical Report to the Certificate of Analysis (CA)

Kaempferol-3-glucoside
Batch No.: 0107202

7. $^13$C NMR-Spectrum
75 MHz, 297 K, solvent: DMSO-\text{d}_6

Assignment of the signals

<table>
<thead>
<tr>
<th>C-Atom</th>
<th>Chemical shift</th>
<th>Comparison data</th>
<th>solvent-signals</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>136.4</td>
<td>156.3</td>
<td>36.7 - 40.4 (DMSO)</td>
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<td>3</td>
<td>133.3</td>
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</tr>
<tr>
<td>4</td>
<td>177.5</td>
<td>177.5</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>161.2</td>
<td>161.1</td>
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</tr>
<tr>
<td>6</td>
<td>98.7</td>
<td>98.7</td>
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<td>7</td>
<td>106.6</td>
<td>106.1</td>
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<tr>
<td>8</td>
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<td>93.6</td>
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<td>9</td>
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<td>2'</td>
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<td>130.7</td>
<td></td>
</tr>
<tr>
<td>3'</td>
<td>115.1</td>
<td>115.0</td>
<td></td>
</tr>
<tr>
<td>4'</td>
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<td></td>
</tr>
<tr>
<td>5'</td>
<td>115.1</td>
<td>115.0</td>
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<tr>
<td>6'</td>
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<td>130.7</td>
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<tr>
<td>1''</td>
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<tr>
<td>2''</td>
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<td>74.2</td>
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<tr>
<td>3''</td>
<td>76.5</td>
<td>76.5</td>
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<tr>
<td>4''</td>
<td>70.0</td>
<td>70.1</td>
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<td>5''</td>
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<tr>
<td>6''</td>
<td>60.9</td>
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</table>

Analytical Report to the Certificate of Analysis (CA)

Kaempferol-3-glucoside
Batch No.: 0107202

8. FT-IR-Spectrum

Solvent - signals

<table>
<thead>
<tr>
<th>Frequency</th>
<th>%T</th>
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</thead>
<tbody>
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<td>43.075</td>
<td>S</td>
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<td>67.983</td>
<td>S</td>
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<tr>
<td>68.545</td>
<td>M</td>
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<tr>
<td>78.205</td>
<td>M</td>
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<tr>
<td>76.953</td>
<td>M</td>
</tr>
<tr>
<td>73.287</td>
<td>M</td>
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<tr>
<td>74.025</td>
<td>M</td>
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</table>

OH - signals

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<th>Frequency</th>
<th>%T</th>
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</thead>
<tbody>
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<td>12.62</td>
<td>VS</td>
</tr>
<tr>
<td>5.33, 5.04, 4.93, 4.25</td>
<td>M</td>
</tr>
<tr>
<td>3.33 (water signal of the solvent)</td>
<td>M</td>
</tr>
<tr>
<td>2.50 (DMSO)</td>
<td>M</td>
</tr>
</tbody>
</table>

Pflanzliche Wirkstoffe und Analytik

PHYTOPLAN Diehm & Neuberger GmbH
Im Neuenheimer Feld 519
D-69120 Heidelberg
Tel.: 06221/40 13 47
Fax: 06221/43 76 64

H - NMR - Spectrum

C - Atom

Chemical shift

Comparison data

Solvent-signals

OH-signals

%T

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

Analytical Report to the Certificate of Analysis (CA)

9. UV-VIS-Spectrum

**Solvent:** Methanol (UVASOL, Merck)
**Conc.:** $6.7 \times 10^{-5} \text{ mol/l}$

<table>
<thead>
<tr>
<th>Wavelength [nm]</th>
<th>log $\varepsilon$</th>
</tr>
</thead>
<tbody>
<tr>
<td>349.38</td>
<td>4.21</td>
</tr>
<tr>
<td>265.52</td>
<td>4.31</td>
</tr>
</tbody>
</table>

Data given in Ref. [1]:

$\lambda_{\text{max}}$ [nm] $\log \varepsilon$: 348.7 (4.20), 265.5 (4.35).

Result

The measurement indicates 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-glucoside. Most other detected peaks are derived from the NBA-matrix.

11. Instrumentation

<table>
<thead>
<tr>
<th>Determination</th>
<th>Apparatus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point</td>
<td>MEL-TEMP II apparatus, Laboratory Devices, USA</td>
</tr>
<tr>
<td>HPLC-Analysis</td>
<td>Pump: Shimadzu LC-10Amp, Detector: DAD, Spectra: SPD-M10Amp, Detector</td>
</tr>
<tr>
<td>1H-NMR-Spectrum</td>
<td>Bruker AM 300</td>
</tr>
<tr>
<td>13C-NMR-Spectrum</td>
<td>Bruker AM 300</td>
</tr>
<tr>
<td>UV-VIS-Spectrum</td>
<td>Varian Cary 3000 Spectrophotometer</td>
</tr>
<tr>
<td>FT-IR-Spectrum</td>
<td>FT-IR-Specrometer 1T50X Perkin-Elmer</td>
</tr>
<tr>
<td>FAB-MASS-Spectrum</td>
<td>JEOI-AMI-710</td>
</tr>
</tbody>
</table>

References