

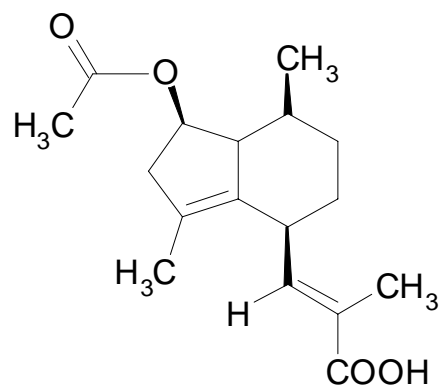
Acetoxy-valerenic acid

1. Physico-chemical data of Acetoxy-valerenic acid

Lot No.: 01.001

CAS-No.: [81397 - 67 - 3]

Structural Formula:



Chemical Nomenclature:

1-Acetoxy-3t-[(7aR)-3,7t-Dimethyl-(7ar)-2,4,5,6,7,7a-hexahydro-1H-inden-4c-yl]-2-methyl-acrylic acid;

Chemical Formula: C₁₇ H₂₄ O₄

Molecular Weight: 292.38

Appearance: colourless oil without any odour

Solubility: soluble in: water, alcohol, methanol

2. Storage and stability

Storage: keep protected from light;
store in a desiccator at -20°C

Stability: 12 months under conditions
described above

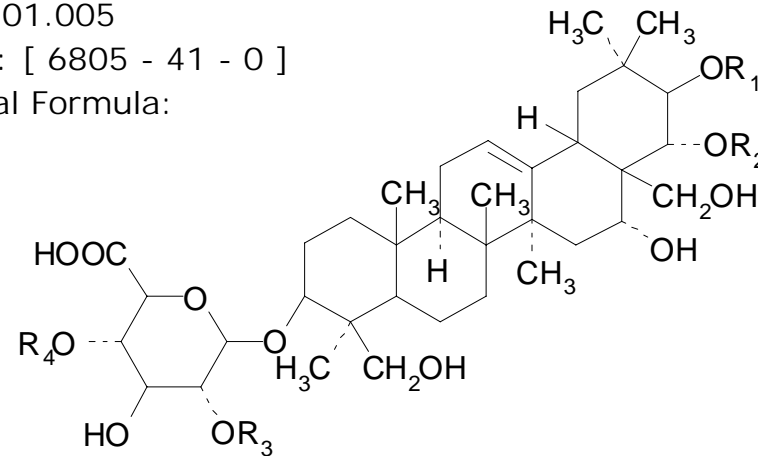
Aescin

1. Physico-chemical data of Aescin

Lot No.: 01.005

CAS-No.: [6805 - 41 - 0]

Structural Formula:



Chemical Nomenclature: Aesculus-Reinsaponin

Chemical Formula: $C_{54} H_{84} O_{23}$

Molecular Weight: 1101

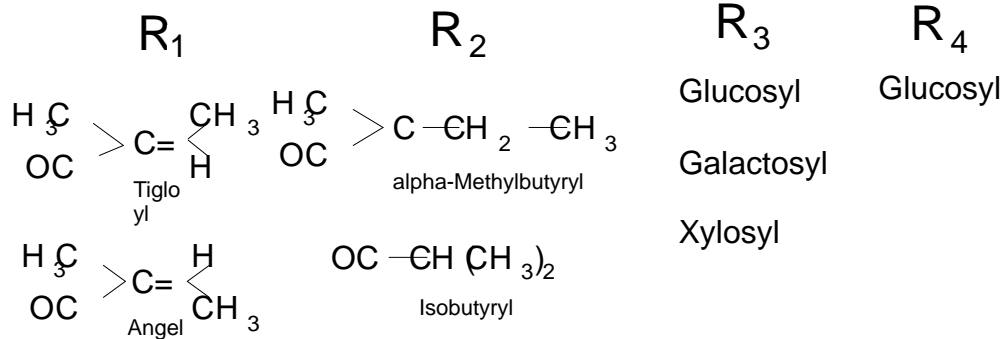
Appearance: white powder without any odour

Solubility: soluble in: Methanol, Acetone, Acetonitrile

2. Storage and stability

Storage: keep protected from light; store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above



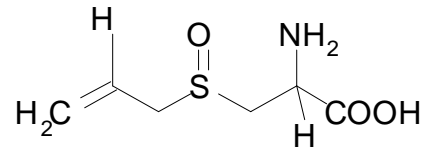
L+/-Alliin

1. Physico-chemical data of L+/-Alliin

Lot No.: 01.224

CAS-No.: [556 - 27 - 4]

Structural Formula:



Chemical Nomenclature: (+/-)-S-allyl-cystein-sulfoxide

Chemical Formula: C₆ H₁₁ O₃ N S

Molecular Weight: 177.22

Appearance: white powder without odour

Solubility: soluble in: Water

2. Storage and stability

Storage: keep protected from light;
store in a desiccator at -20°C

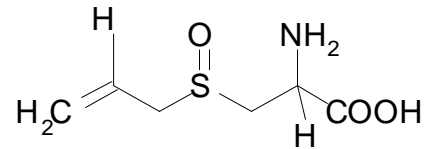
L+Alliin

1. Physico-chemical data of L+Alliin

Lot No.: 01.003

CAS-No.: [556 - 27 - 4]

Structural Formula:



Chemical Nomenclature: (+)-S-allyl-cystein-sulfoxide

Chemical Formula: C₆ H₁₁ O₃ NS

Molecular Weight: 177.22

Appearance: white powder without odour

Solubility: soluble in: Water

2. Storage and stability

Storage: keep protected from light;
store in a desiccator at -20°C

Stability: 6 months under conditions
described above

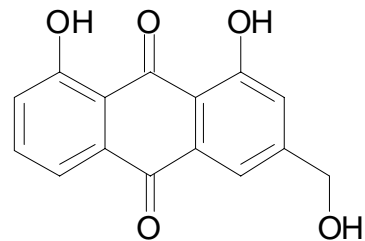
Aloe-emodin

1. Physico-chemical data of Aloe-emodin

Lot No.: 01.007

CAS-No.: [481 - 72 - 1]

Structural Formula:



Chemical Nomenclature: 1,8-Dihydroxy-3-(hydroxymethyl)-9,10-Anthracenedione;

Chemical Formula: C₁₅ H₁₀ O₅

Molecular Weight: 270.24

Appearance: orange crystal powder without any odour

Solubility: soluble in: ether, benzene, hot alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

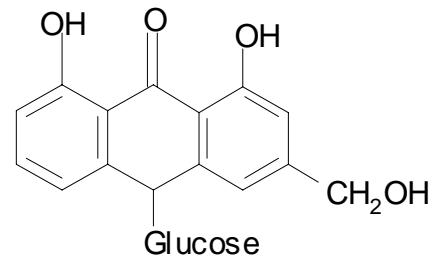
Aloin

1. Physico-chemical data of Aloin

Lot No.: 01.019

CAS-No.: [5133 - 19 - 7]

Structural Formula:



Chemical Nomenclature: 10-glucoyl-1,8-dihydroxy-3-(hydroxymethyl)-9-anthracenone; Barbaloin

Chemical Formula: $C_{21} H_{22} O_9$

Molecular Weight: 418.39

Appearance: lemon yellow powder without any odour

Solubility: soluble in: pyridine, methanol, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

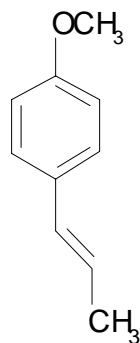
Anethol (trans)

1. Physico-chemical data of Anethol (trans)

Lot No.: 01.181

CAS-No.: [104 - 46 - 1]

Structural Formula:



Chemical Nomenclature: 1-Methoxy-4-(1-propenyl) benzene; p-propenylanisole

Chemical Formula: C₁₀ H₁₂ O

Molecular Weight: 148.20

Appearance: clear crystals with typical odour

Solubility: soluble in: Benzene, Ethylacetate, Acetone, Chloroform

2. Storage and stability

Storage: keep protected from light; store in a desiccator at -20°C

Stability: 12 months under conditions described above

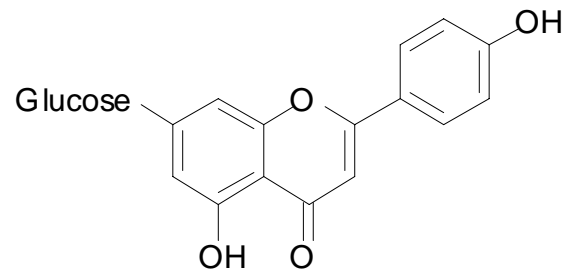
Apigenin-7-O-glucoside

1. Physico-chemical data of Apigenin-7-O-glucoside

Lot No.: 01.012

CAS-No.: [578 - 74 - 5]

Structural Formula:



Chemical Nomenclature: 7-(β -D-glucopyranosyloxy)-5-hydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one;

Cosmetin; Cosmiin; Apigetrin;

Chemical Formula: C₂₁ H₂₀ O₁₀

Molecular Weight: 432.38

Appearance: yellow powder without any odour

Solubility: soluble in: water, dil. alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

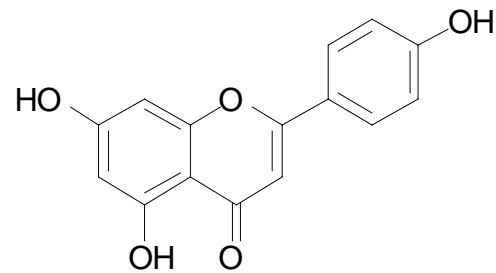
Apigenin

1. Physico-chemical data of Apigenin

Lot No.: 01.009

CAS-No.: [520 - 36 - 5]

Structural Formula:



Chemical Nomenclature: 5,7-Dihydroxy-2(4-hydroxyphenyl)-4H-1-benzopyrane-4one; Pelargidenon, Apigenol, 4',5,7-Trihydroxyflavon, Versulin

Chemical Formula: C₁₅ H₁₀ O₅

Molecular Weight: 270.24

Appearance: yellow needles without any odour

Solubility: soluble in: alkali solutions and hot alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

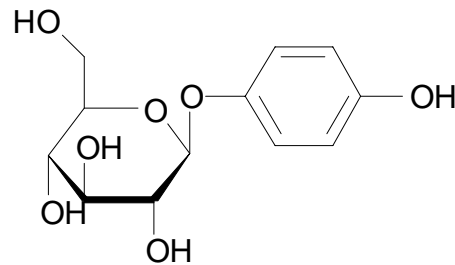
Arbutin

1. Physico-chemical data of Arbutin

Lot No.: 01.013

CAS-No.: [497 - 76 - 7]

Structural Formula:



Chemical Nomenclature: 4-Hydroxyphenyl-β-D-glucopyranoside

Chemical Formula: C₁₂ H₁₆ O₇

Molecular Weight: 272.25

Appearance: white powder with a weak sweetish odour

Solubility: soluble in: water, alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

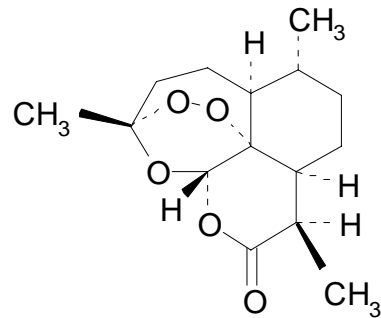
Artemisinin

1. Physico-chemical data of Artemisinin

Lot No.: 01.212

CAS-No.: [63968 - 64 - 9]

Structural Formula:



Chemical Nomenclature: [3R-(3 α ,5a β ,6 β ,8a β ,9 α ,12 β ,12a-R*)]- Octahydro-3,6,9-trimethyl- 3,12-epoxy- 12H-pyrano[4,3-j]-1,2-benzodioxepin-10(3H)-one

Chemical Formula: C₁₅ H₂₂ O₅

Molecular Weight: 282.34

Appearance: colourless crystal powder without any odour

Solubility: soluble in: aprotic solvents

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

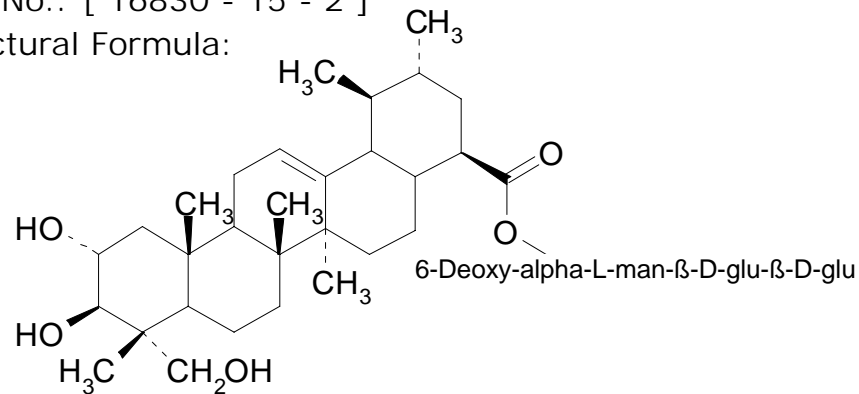
Asiaticoside

1. Physico-chemical data of Asiaticoside

Lot No.: 01.216

CAS-No.: [16830 - 15 - 2]

Structural Formula:



Chemical Nomenclature: (2 α ,3 β ,4 α)-2,3,23-Trihydroxyurs-12-en-28 oic acid O-6-deoxy- α -L-mannopyranosyl-(1->-4)-O- β -D-glucopyranosyl-(1->6)-O- β -D-glucopyranosyl ester ;

Chemical Formula: C₄₈ H₇₈ O₁₉

Molecular Weight: 959.14

Appearance: white crystal powder without any odour

Solubility: soluble in: alcohol, pyridine

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

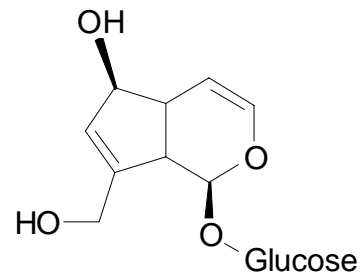
Aucubin

1. Physico-chemical data of Aucubin

Lot No.: 01.015

CAS-No.: [479 - 98 - 1]

Structural Formula:



Chemical Nomenclature: 1, 4, 5, 7 Tetrahydro-5-hydroxy-7-(hydroxy-methyl)-cyclopenta-pyran-1-yl- β -D-glucopyranoside; Rhinanthin, Aucubosid

Chemical Formula: C₁₅ H₂₂ O₉

Molecular Weight: 346.34

Appearance: pale brown powder without any odour

Solubility: soluble in: water, alcohol, methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

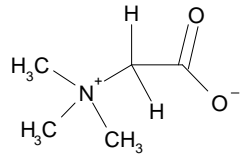
Betaine anhydrous

1. Physico-chemical data of Betaine anhydrous

Lot No.: 02.113

CAS-No.: [107 - 43 - 7]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: C₅ H₁₁ NO₂

Molecular Weight: 117.15

Appearance: white crystalline powder with weak odour

Solubility: soluble in water

2. Storage and stability

Storage: store at room temperature

Stability: 24 months under conditions described above

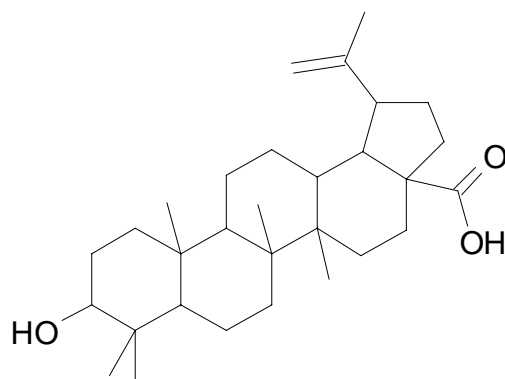
Betulinic acid

1. Physico-chemical data of Betulinic acid

Lot No.: 02.005

CAS-No.: [472 - 15 - 1]

Structural Formula:



Chemical Nomenclature: 3- β -Hydroxy-lupa-20 (30)-ene-28-oic acid

Chemical Formula: C₃₀ H₄₈ O₃

Molecular Weight: 456.73

Appearance: natural white powder without any odour

Solubility: soluble in: Methanol, alcohol, Acetonitril

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

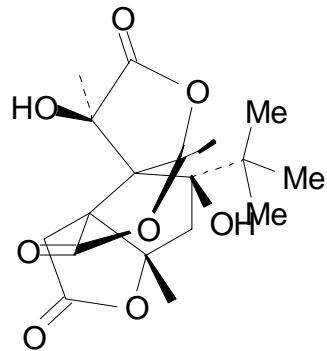
Bilobalide

1. Physico-chemical data of Bilobalide

Lot No.: 02.109

CAS-No.: [33570 - 04 - 6]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: $C_{15}H_{18}O_8$

Molecular Weight: 326.3

Appearance: white powder without any odour

Solubility: soluble in: Ethanol, methanol, DMSO

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions described above

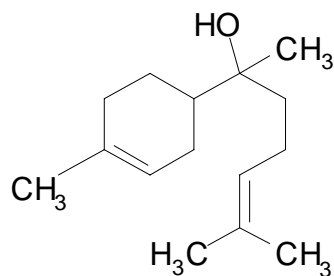
Bisabolol (alpha)

1. Physico-chemical data of Bisabolol (alpha)

Lot No.: 02.003

CAS-No.: [515 - 69 - 5]

Structural Formula:



Chemical Nomenclature: 6-Methyl-2-(4-methyl-3-cyclohexen-1-yl)-5-hepten-2-ole; Levomenol; Camillol; Dragosantol

Chemical Formula: C_x H_y O_z

Molecular Weight: 222.37

Appearance: colourless oil with typical odour

Solubility: soluble in: alcohol, oils

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

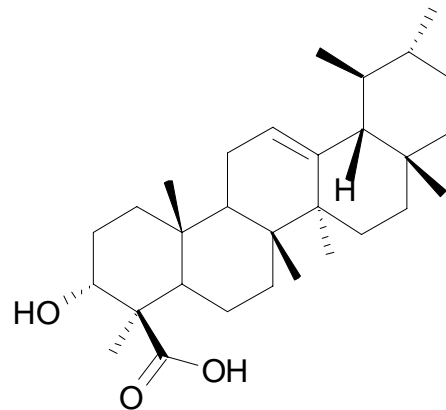
Boswellic acid

1. Physico-chemical data of Boswellic acid

Lot No.: 02.112

CAS-No.: [631 - 69 - 6]

Structural Formula:



Chemical Nomenclature: (3,4)-3-Hydroxyurs-12-en-23-oic acid

Chemical Formula: C₃₀ H₄₈ O₃

Molecular Weight: 456.73

Appearance: natural white powder without any odour

Solubility: soluble in: Methanol, alcohol, Acetonitril

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

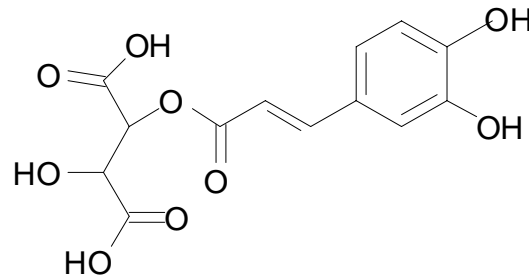
Caftaric acid

1. Physico-chemical data of Caftaric acid

Lot No.: 03.213

CAS-No.: [-]

Structural Formula:



Chemical Nomenclature: 2-O-Caffeoyl-tartrate

Chemical Formula: $C_{13}H_{12}O_9$

Molecular Weight: 312

Appearance: pale yellow powder without any odour

Solubility: soluble in: water/alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

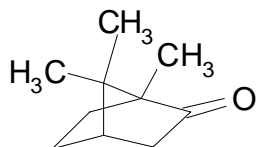
(+)-Camphor

1. Physico-chemical data of (+)-Camphor

Lot No.: 03.001

CAS-No.: [464 - 49 - 3]

Structural Formula:



Chemical Nomenclature: 1,7,7-Trimethylbicyclo[2.2.1]

heptan-2-one; 2-Bornanone; 2-Camphanone

Chemical Formula: C₁₀ H₁₆ O

Molecular Weight: 152.23

Appearance: white crystalline powder with typical odour

Solubility: soluble in: alcohol, ether, benzene, acetone, chloroform

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 24 months under conditions described above

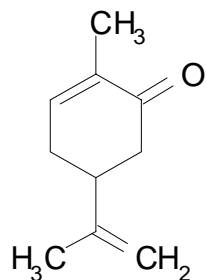
Carvon

1. Physico-chemical data of Carvon

Lot No.: 03.003

CAS-No.: [99 - 49 - 0]

Structural Formula:



Chemical Nomenclature: 2-Methyl-5-(1-methylethenyl)-2-cyclohexene-1-one; p-mentha-6,8-dien-2-one; carvol;

Chemical Formula: C₁₀ H₁₄ O

Molecular Weight: 150.22

Appearance: Clear colourless Liquid with typical odour

Solubility: soluble in: alcohol, Acetonitril, Hexan etc.

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

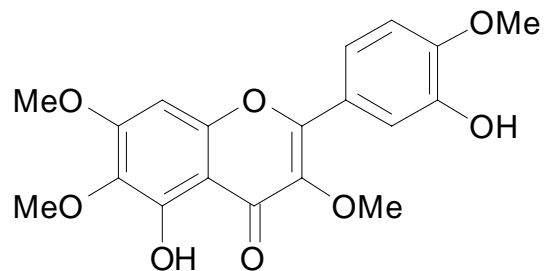
Casticine

1. Physico-chemical data of Casticine

Lot No.: 03.214

CAS-No.: [479 - 91 - 4]

Structural Formula:



Chemical Nomenclature: 5, 3'-Dihydroxy-3, 6, 7, 4'-tetramethoxy-flavone

Chemical Formula: C₁₉ H₁₈ O₈

Molecular Weight: 374.35

Appearance: yellow powder without any odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

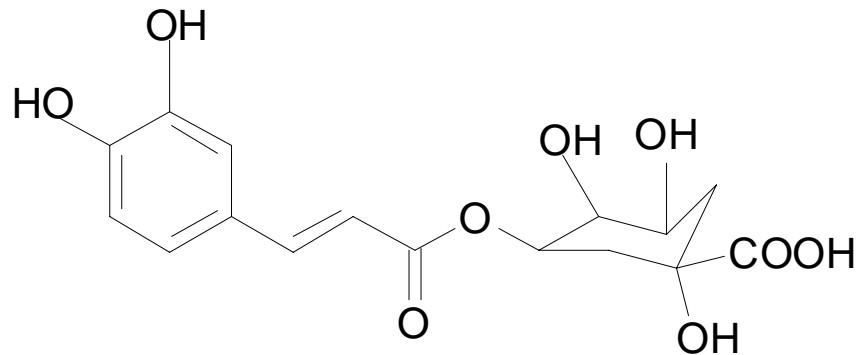
Chlorogenic acid

1. Physico-chemical data of Chlorogenic acid

Lot No.: 03.006

CAS-No.: [327 - 97 - 9]

Structural Formula:



Chemical Nomenclature: 3-[[3-(3,4-Dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-1,4,5-tetrahydroxycyclohexanecarboxylic acid; 3-Caffeoylchinasäure(syn);

Chemical Formula: C₁₆ H₁₈ O₉

Molecular Weight: 354.30

Appearance: White crystal needles or powder without any odour

Solubility: soluble in: ethanol, acetone, methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

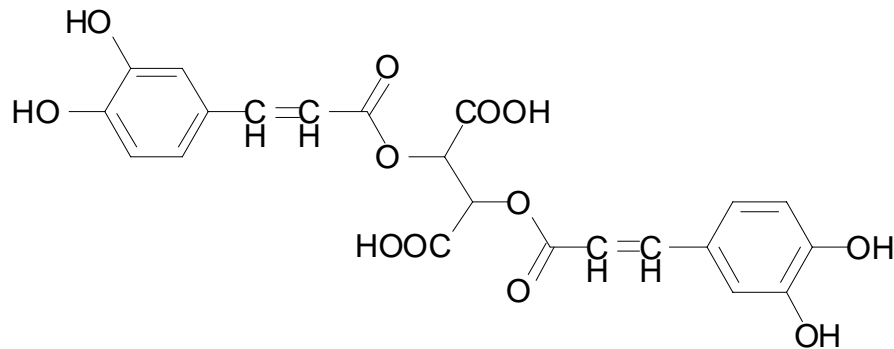
Cichoric acid

1. Physico-chemical data of Cichoric acid

Lot No.: 03.020

CAS-No.: [6537 - 80 - 0 / 70831 - 56 - 0]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: $C_{22}H_{18}O_{12}$

Molecular Weight: 474.38

Appearance: pale brown powder without any odour

Solubility: soluble in: Water and Acetonitril

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions described above

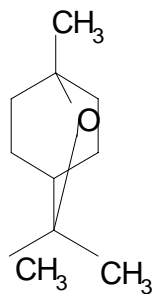
1,8-Cineol

1. Physico-chemical data of 1,8-Cineol

Lot No.: 05.010

CAS-No.: [470 - 82 - 6]

Structural Formula:



Chemical Nomenclature: 1,3,3-Trimethyl-2-oxabicyclo
(2.2.2)octane; Eucalyptol

Chemical Formula: C₁₀ H₁₈ O

Molecular Weight: 154.26

Appearance: colourless fluid with typical odour similar
to Campher

Solubility: soluble in: alcohol, Aceton, Acetonitril

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions
described above

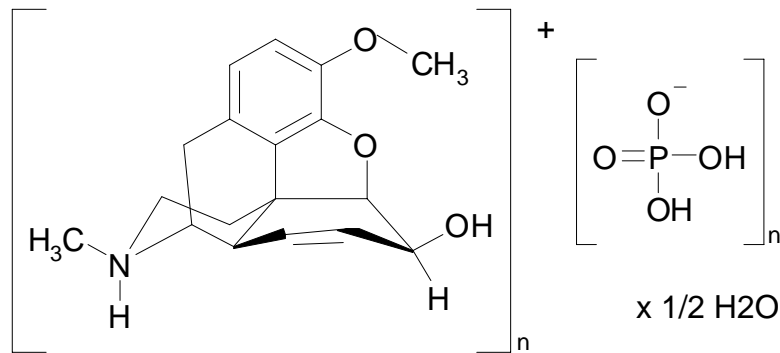
Codeinphosphat Hemihydrat

1. Physico-chemical data of Codeinphosphat Hemihydrat

Lot No.: 03.225

CAS-No.: [41444 - 62 - 6]

Structural Formula:



Chemical Nomenclature: Methylmorphinphosphate;

Chemical Formula: $C_{18} H_{24} N O_7 P \times 0.5 H_2O$

Molecular Weight: 406.4

Appearance: white powder without any odour

Solubility: soluble in: Water, Ethanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 24 months under conditions described above

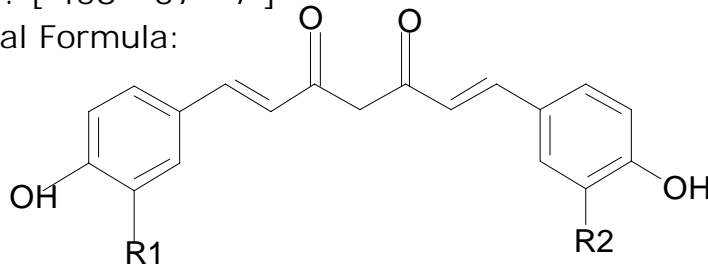
Curcumin natural

1. Physico-chemical data of Curcumin natural

Lot No.: 03.007

CAS-No.: [458 - 37 - 7]

Structural Formula:



Curcumin R1 = OCH3 R2 = OCH3
Desmethoxycurcumin R1 = H R2 = OCH3
Bisdsmethoxycurcumin R1 = H R2 = H

Chemical Formula: C₂₁ H₂₀ O₆ ; C₂₀ H₁₈ O₅; C₁₉ H₁₆ O₄

Molecular Weight: 357.20

368.4 (71.60 %) Curcumin

338.4 (19.57 %) Desmethoxycurcumin

308.4 (8.82 %) Bisdsmethoxycurcumin

Appearance: orange yellow crystal powder without any odour

Solubility: soluble in: Ethanol, Methanol, Aceton, Acetonitrile

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

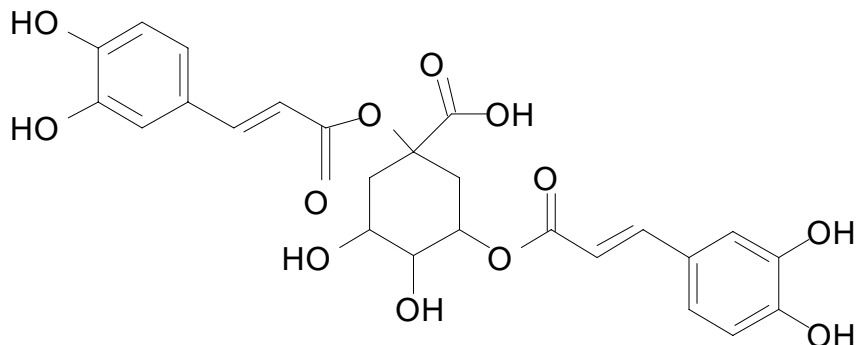
Cynarine

1. Physico-chemical data of Cynarine

Lot No.: 03.013

CAS-No.: [30964 - 13 - 7]

Structural Formula:



Chemical Nomenclature: (1 α ,3 α , 4 α 5 β)-1, 3-Bis[[3-(3, 4-dihydroxy-phenyl)-1-oxo-2-propenyl]oxy]-4, 5-dihydroxycyclohexane-carboxylic acid;

1, 3-Dicaffeoylquinic acid;

1, 5-Dicaffeoylquinic acid

Chemical Formula: C₂₅ H₂₄ O₁₂

Molecular Weight: 516.44

Appearance: white powder without any odour

Solubility: soluble in: water alcohol, methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

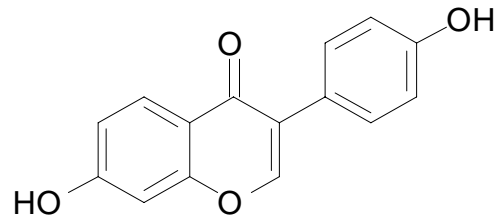
Daidzein

1. Physico-chemical data of Daidzein

Lot No.: 04.010

CAS-No.: [486 - 66 - 8]

Structural Formula:



Chemical Nomenclature: 7-Hydroxy -3-(4-hydroxyphenyl)
-1-benzo-pyran-4-one

Chemical Formula: $C_{15} H_{10} O_4$

Molecular Weight: 254.24

Appearance: pale yellow powder without any odour

Solubility: soluble in: alcohol, ether

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions
described above

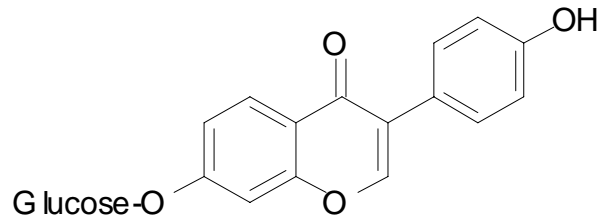
Daidzin

1. Physico-chemical data of Daidzin

Lot No.: 04.013

CAS-No.: [552 - 66 - 9]

Structural Formula:



Chemical Nomenclature: 7-O-Glucosyl -3-(4-hydroxy-phenyl)-1-benzo-pyran-4-one

Chemical Formula: $C_{21} H_{20} O_9$

Molecular Weight: 416.39

Appearance: natural white powder without any odour

Solubility: soluble in: water and aq. alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

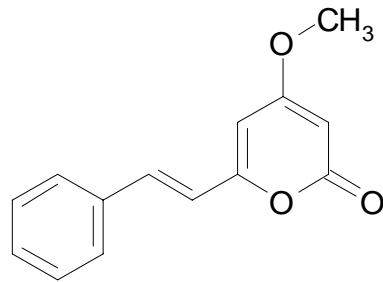
Desmethoxyyangonin

1. Physico-chemical data of Desmethoxyyangonin

Lot No.: 04.260

CAS-No.: [15345 - 89 - 8]

Structural Formula:



Chemical Nomenclature: 4-Methoxy-6-trans-styryl-2H-pyran-2-one

Chemical Formula: C₁₄ H₁₂ O₃

Molecular Weight: 229.25

Appearance: yellowish white crystal powder without any odour

Solubility: soluble in: acetone, ethylacetate and hot alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

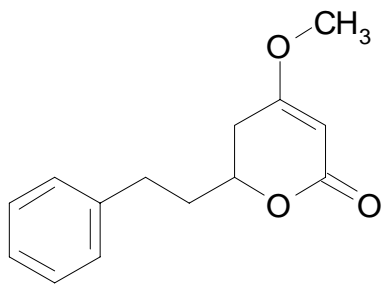
Dihydrokawain

1. Physico-chemical data of Dihydrokawain

Lot No.: 04.261

CAS-No.: [587 - 63 - 3]

Structural Formula:



Chemical Nomenclature: 4-Methoxy-6-phenethyl-5,6-dihydro-pyran-2-one

Chemical Formula: C₁₄ H₁₆ O₃

Molecular Weight: 232.26

Appearance: white crystal powder without any odour

Solubility: soluble in: alcohol, chloroform

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

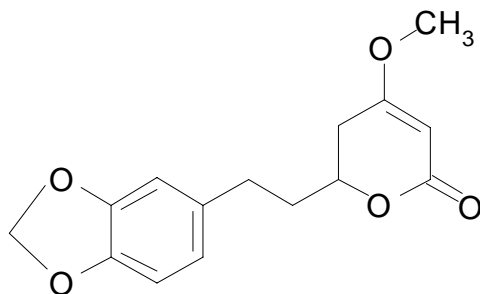
Dihydromethysticin

1. Physico-chemical data of Dihydromethysticin

Lot No.: 04.262

CAS-No.: [3155 - 57 - 5]

Structural Formula:



Chemical Nomenclature: 4-Methoxy-6-[3,4-methylenedioxyphenethyl]-5,6-dihydro-pyran-2-one

Chemical Formula: C₁₅ H₁₆ O₅

Molecular Weight: 276.1

Appearance: pale yellow crystal powder without any odour

Solubility: soluble in: alcohol, ether, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

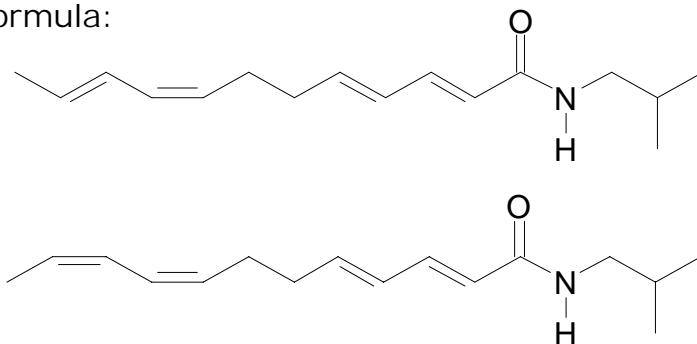
Dodeka-2E, 4E, 8Z, 10E/Z-Tetraenic-acid-isobutylamid

1. Physico-chemical data of Dodeka-2E, 4E, 8Z, 10E/Z-Tetraenic-acid-isobutylamid

Lot No.: 04.263

CAS-No.: [75917 - 90 - 7]

Structural Formula:



Chemical Nomenclature: (2E, 4E, 8Z, 10E/Z)-N-isobutyl-2, 4, 8, 10-dodekatetraenamide

Chemical Formula: C₁₆ H₂₅ N O

Molecular Weight: 247.38

Appearance: clear crystals without any odour

Solubility: soluble in: Methanol, Chloroform

2. Storage and stability

Storage: keep protected from light; store in a desiccator at -20°C under gas protection with Argon or Nitrogen

Stability: 6 months under conditions described above

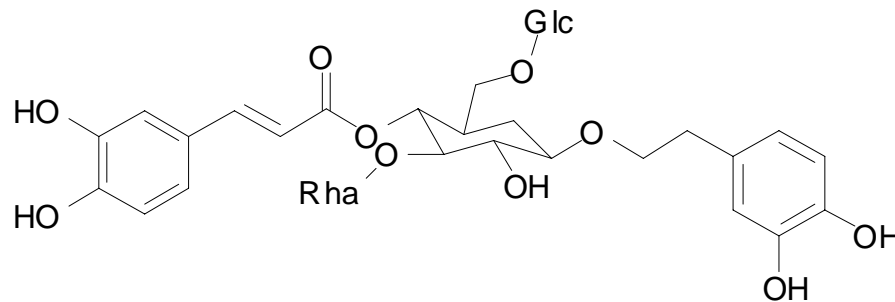
Echinacoside

1. Physico-chemical data of Echinacoside

Lot No.: 05.001

CAS-No.: [-]

Structural Formula:



Chemical Nomenclature: β -(3',4'-dihydroxyphenyl)-ethyl-O-a-L-rhamno-py-ranosyl (1-3)-O- β -D-[β -D-glucopyranosyl (1-6)]-(4-O-caffeoyl)-glucopyranoside;

Chemical Formula: C₃₅ H₄₆ O₂₀

Molecular Weight: 786.54

Appearance: yellow crystal powder without any odour

Solubility: soluble in: water, alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

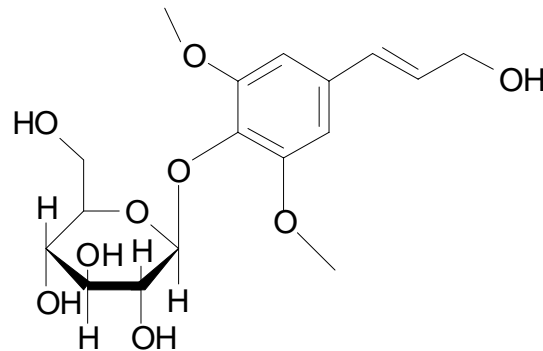
Eleutheroside B

1. Physico-chemical data of Eleutheroside B

Lot No.: 05.003

CAS-No.: [118 - 34 - 3]

Structural Formula:



Chemical Nomenclature: E-(3-Hydroxy-1-propenyl)-2,6-dimethoxy-phenyl-4` β -D-glucopyranosid;

Syringin, Ligustrin, Magnolenin;

Chemical Formula: C₁₇ H₂₄ O₉

Molecular Weight: 372.37

Appearance: white powder without any odour

Solubility: soluble in: Methanol, water, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

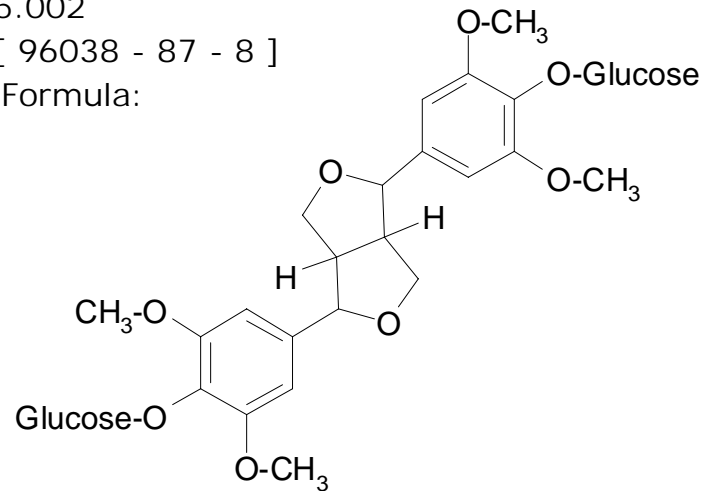
Eleutheroside E

1. Physico-chemical data of Eleutheroside E

Lot No.: 05.002

CAS-No.: [96038 - 87 - 8]

Structural Formula:



Chemical Nomenclature: (-)-Syringaresinol-4,4'-O- β -D-diglucoside;

(Tetrahydro-1H,3H-furo[3,4-c]furan-1,4-diyl) bis (2,6-dimethoxy-4,1-phenylene) bis- β -D-glucopyranoside

Chemical Formula: C₃₄ H₄₆ O₁₈

Molecular Weight: 742.73

Appearance: white powder without any odour

Solubility: soluble in: Methanol, Ethanol, aqu. Acetonitril

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 6 months under conditions described above

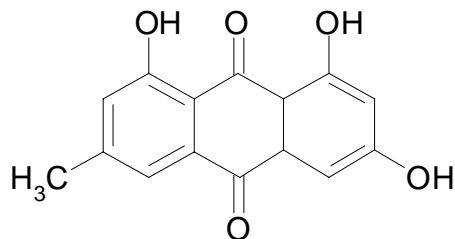
Emodin

1. Physico-chemical data of Emodin

Lot No.: 05.007

CAS-No.: [518 - 82 - 1]

Structural Formula:



Chemical Nomenclature: 1,3,8-Trihydroxy-6-methyl-9,10-anthracene-Dione; frangula emodine;

Chemical Formula: C₁₅ H₁₀ O₅

Molecular Weight: 270.24

Appearance: orange powder without any odour

Solubility: soluble in: alcohol, alkali solutions

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

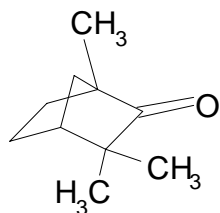
Fenchone

1. Physico-chemical data of Fenchone

Lot No.: 06.068

CAS-No.: [1195 - 79 - 5]

Structural Formula:



Chemical Nomenclature: 1,3,3 Trimethylbicyclo[2.2.1]
heptan-2-one

Chemical Formula: C₁₀ H₁₆ O

Molecular Weight: 152.24

Appearance: colourless oil without bitter taste and with
typical odour similar to Campher

Solubility: soluble in: Ethanol, Methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions
described above

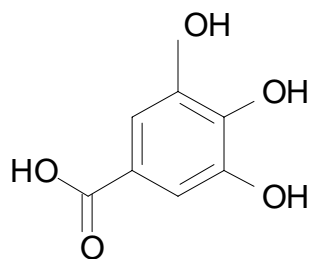
Gallic acid monohydrate

1. Physico-chemical data of Gallic acid monohydrate

Lot No.: 07.037

CAS-No.: [5995 - 86 - 8]

Structural Formula:



Chemical Nomenclature: 3, 4, 5-Trihydroxybenzoic acid

Chemical Formula: $C_7 H_6 O_5$

Molecular Weight: 170.12 + 18

Appearance: white powder without any odour

Solubility: soluble in: water, alcohol, ether, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

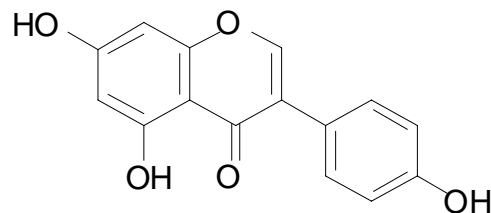
Genistein

1. Physico-chemical data of Genistein

Lot No.: 07.001

CAS-No.: [446 - 72 - 0]

Structural Formula:



Chemical Nomenclature: 5, 7-Dihydroxy-3-(4-hydroxy-phenyl)-4H-1-benzopyran-4-one;

4', 5, 7-Trihydroxyisoflavone;

Chemical Formula: C₁₅ H₁₀ O₅

Molecular Weight: 270.23

Appearance: pale yellow powder without any odour

Solubility: soluble in: alcohol and dil. alkali

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

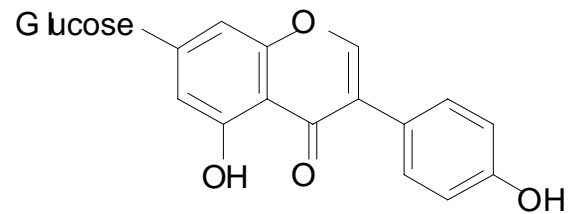
Genistin

1. Physico-chemical data of Genistin

Lot No.: 07.007

CAS-No.: [529 - 59 - 9]

Structural Formula:



Chemical Nomenclature: 5-Hydroxy-3-(4-hydroxyphenyl)-

4H-1-benzo-pyran-4-one-7-D-glucoside;

4', 5-Dihydroxyisoflavone-7-D-gluciside;

Genistein-7-D-glucoside;

Chemical Formula: C₂₁ H₂₀ O₁₀

Molecular Weight: 432.39

Appearance: pale yellow powder without any odour

Solubility: soluble in: hot alcohols pyridine

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

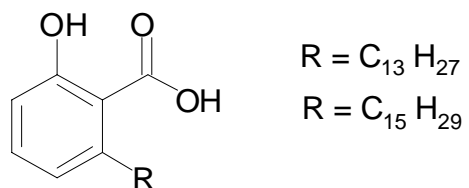
Ginkgolic acid I

1. Physico-chemical data of Ginkgolic acid I

Lot No.: 07.010

CAS-No.: [-]

Structural Formula:



Chemical Nomenclature:

2-Hydroxy-6-tridecane-benzoic acid

2-Hydroxy-6-pentadecane-benzoic acid

Ginkgolic acid I is a mixture of these two compounds

Chemical Formula: $C_{20} H_{32} O_3$ and $C_{22} H_{34} O_3$

Molecular Weight: 320 and 346

Appearance: greenish powder without any odour

Solubility: soluble in: acetonitril, methanol, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions described above

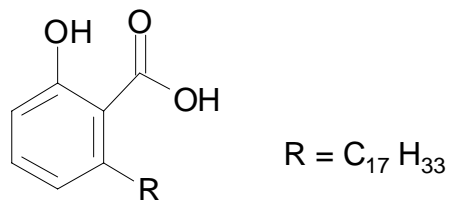
Ginkgolic acid II

1. Physico-chemical data of Ginkgolic acid II

Lot No.: 07.011

CAS-No.: [-]

Structural Formula:



Chemical Nomenclature: 2-Hydroxy-6-heptadecanebenzoic acid

Chemical Formula: $C_{24}H_{38}O_3$

Molecular Weight: 374

Appearance: greenish leaflets

Solubility: soluble in: acetonitril, methanol, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions described above

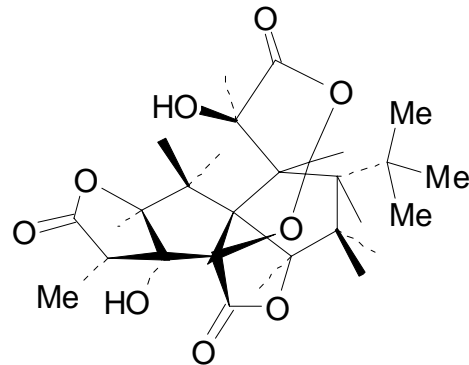
Ginkgolide A

1. Physico-chemical data of Ginkgolide A

Lot No.: 07.032

CAS-No.: [15291 - 75 - 5]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: $C_{20}H_{24}O_9$

Molecular Weight: 408

Appearance: natural white powder without any odour and bitter taste

Solubility: soluble in: ethanol, methanol, acetonitril

2. Storage and stability

Storage: keep protected from light;
store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions
described above

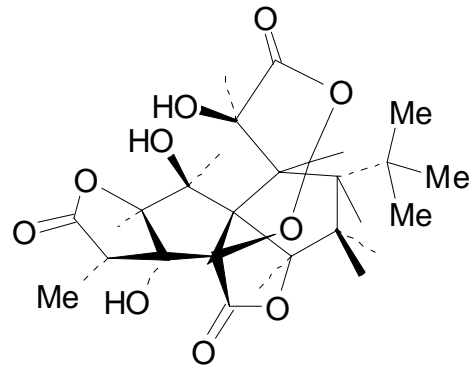
Ginkgolide B

1. Physico-chemical data of Ginkgolide B

Lot No.: 07.045

CAS-No.: [15291 - 77 - 7]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: $C_{20}H_{24}O_{10}$

Molecular Weight: 424

Appearance: natural white powder without any odour and bitter taste

Solubility: soluble in: ethanol, methanol, acetonitrile

2. Storage and stability

Storage: keep protected from light; store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions described above

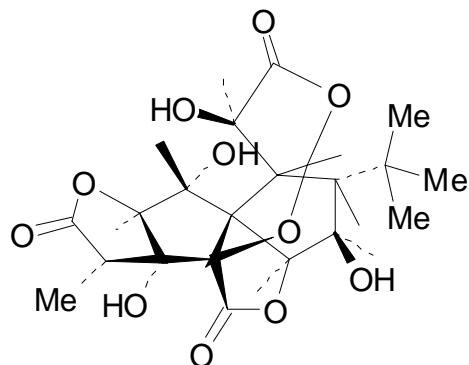
Ginkgolide C

1. Physico-chemical data of Ginkgolide C

Lot No.: 07.051

CAS-No.: [15291 - 76 - 6]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: $C_{20}H_{24}O_{11}$

Molecular Weight: 440

Appearance: natural white powder without any odour and bitter taste

Solubility: soluble in: ethanol, methanol, acetonitrile

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions described above

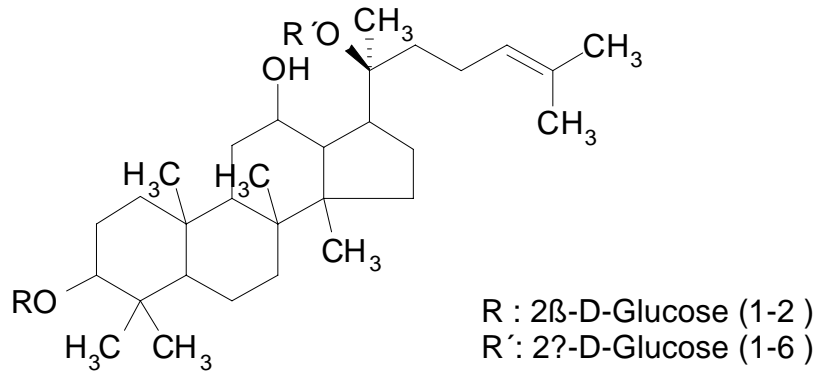
Ginsenosid Rb1

1. Physico-chemical data of Ginsenosid Rb1

Lot No.: 07.004

CAS-No.: [41753 - 43 - 9]

Structural Formula:



Chemical Nomenclature: ginseng saponin glucoside

Chemical Formula: C₅₄ H₉₂ O₂₃

Molecular Weight: 1109.31

Appearance: white fine crystalline powder without any odour

Solubility: soluble in: methanol; ethanol, water

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

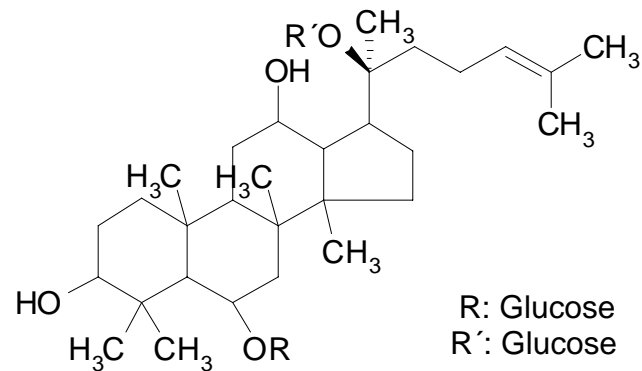
Ginsenosid Rg1

1. Physico-chemical data of Ginsenosid Rg1

Lot No.: 07.005

CAS-No.: [22427 - 39 - 0]

Structural Formula:



2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

Chemical Nomenclature: ginseng saponin glucoside

Chemical Formula: C₄₂ H₇₂ O₁₄

Molecular Weight: 801.02

Appearance: white crystalline powder without any odour

Solubility: soluble in: Methanol, Ethanol, Water

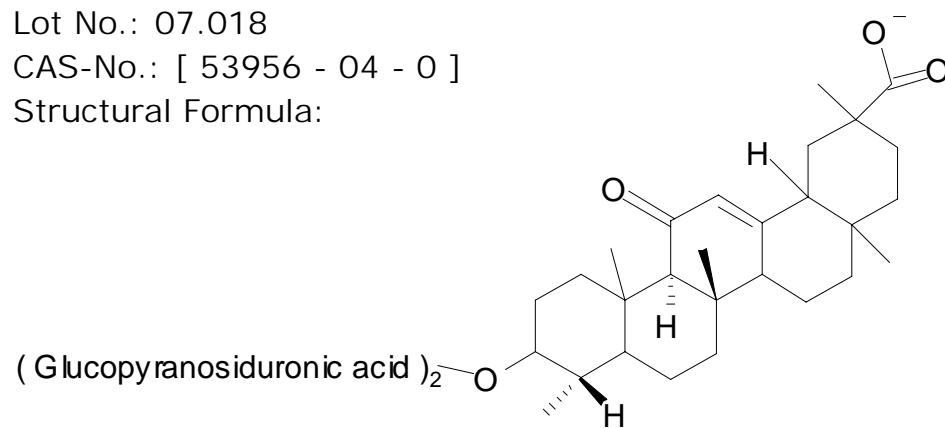
Glycyrrhizic acid Ammonia salt

1. Physico-chemical data of Glycyrrhizic acid Ammonia salt

Lot No.: 07.018

CAS-No.: [53956 - 04 - 0]

Structural Formula:



Chemical Nomenclature: (3 β ,20 β)-20-Carboxy-11-oxo-30-norolean-12-en-3-yl 2-O- β -D-glucopyranosiduronyl- α -D-glucopyranosiduronic acid; Glycyrrhizin; Glycyrrhizinic acid; Glycyrrhetic acid glycoside

Chemical Formula: C₄₂ H₆₅ N O₁₆

Molecular Weight: 839.98

Appearance: natural white powder without any odour

Solubility: soluble in: alcohol, hot water

2. Storage and stability

NH₄⁺ Storage: keep protected from light; store in a desiccator at -20°C
Stability: 12 months under conditions described above

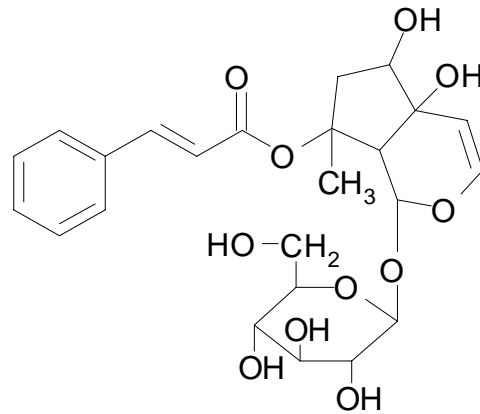
Harpagoside

1. Physico-chemical data of Harpagoside

Lot No.: 08.002

CAS-No.: [19210 - 12 - 9]

Structural Formula:



Chemical Nomenclature: 8-Cinnamoyl-harpagide

Chemical Formula: $C_{24} H_{30} O_{11} \times H_2O$

Molecular Weight: 494.48

Appearance: pale yellow powder without any odour

Solubility: soluble in: Methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

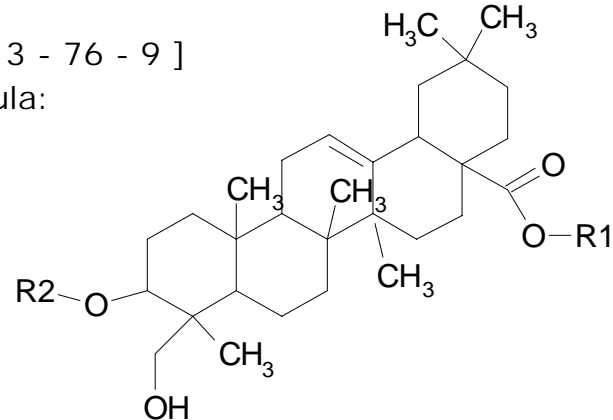
Hederacosid C

1. Physico-chemical data of Hederacosid C

Lot No.: 08.003

CAS-No.: [27013 - 76 - 9]

Structural Formula:



R1 = β -D-Gluc (6-1) - β -D-Gluc (4-1) - α -L-Rham

R2 = α -L-Ara (2-1) - α -L-Rham

Chemical Nomenclature: 3- α -L-Arabinosyl- α -L.-
rhamnosyl-23 – hydroxyolean-12-en-28-oic acid
diglucosyl-rhamnosylester

Chemical Formula: C₅₉ H₉₆ O₂₆

Molecular Weight: 1221.39

Appearance: natural white powder without any odour

Solubility: soluble in: aq. alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions
described above

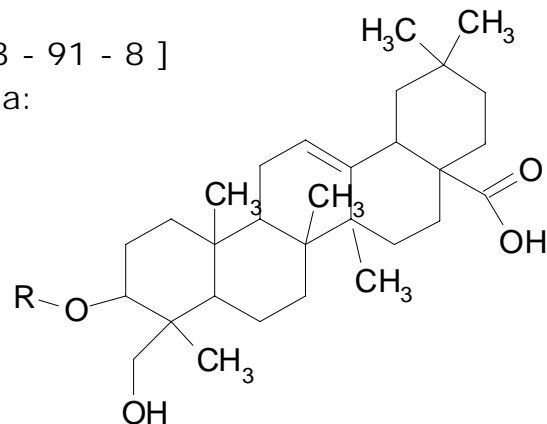
Hederin (alpha)

1. Physico-chemical data of Hederin (alpha)

Lot No.: 08.004

CAS-No.: [27013 - 91 - 8]

Structural Formula:



R = a-L-Ara (2-1) -a-L-Rham

Chemical Nomenclature: 3- α -L-Arabinosyl- α -L.-
rhamnosyl-23 – hydro-xyolean-12-en-28-oic acid Helixin;

Chemical Formula: C₄₁ H₆₆ O₁₂

Molecular Weight: 750.98

Appearance: white powder without any odour

Solubility : soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions
described above

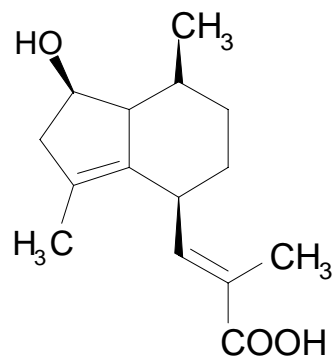
Hydroxyvalerenic acid

1. Physico-chemical data of Hydroxyvalerenic acid

Lot No.: 08.006

CAS-No.: [1619 - 19 - 5]

Structural Formula:



Chemical Nomenclature: 1-Hydroxy-3t-[(7aR)-3,7t-Dimethyl-(7aR)-2,4,5,6,7,7a-hexahydro-1H-inden-4c-yl]-2methyl-acrylic acid;

Chemical Formula: C₁₅ H₂₂ O₃

Molecular Weight: 250.34

Appearance: colourless powder without any odour

Solubility: soluble in: alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

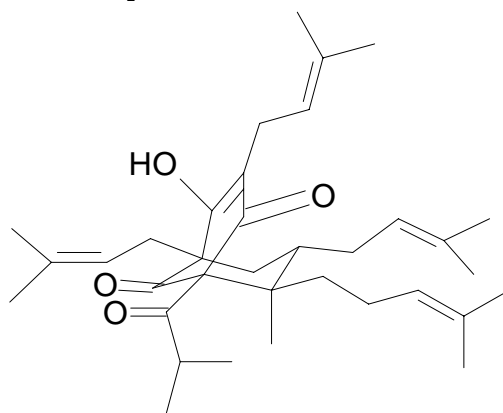
Hyperforine methanolic solution 1mg/ml

1. Physico-chemical data of Hyperforine methanolic solution 1mg/ml

Lot No.: 08.184

CAS-No.: [11079 - 53 - 1]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: $C_{35}H_{52}O_4$

Molecular Weight: 536.79

Appearance: colourless solution in methanol with typical odour

Solubility: soluble in: methanol, ethanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions described above

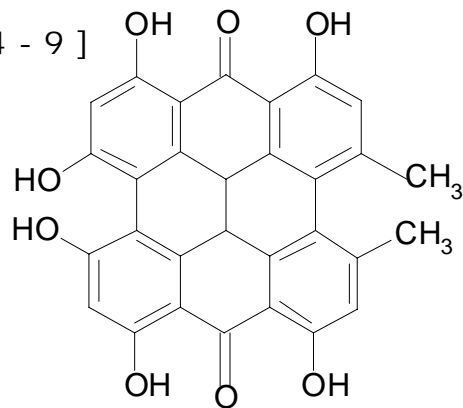
Hypericin

1. Physico-chemical data of Hypericin

Lot No.: 08.005

CAS-No.: [548 - 04 - 9]

Structural Formula:



Chemical Nomenclature: 1,3,4,6,8,13-Hexahydroxy-10,11-dimethyl-phenanthro-[1,10,9,8-opqra]-perylene-7,14-dione; Hypericum red 4,5,7,4',5',7'-hexahydroxy-2,2'-dimethyl-naphtho-dianthron;

Chemical Formula: C₃₀ H₁₆ O₈

Molecular Weight: 504.45

Appearance: Black powder without any odour

Solubility: very slightly soluble in: water, alcohol
soluble in: DMF, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

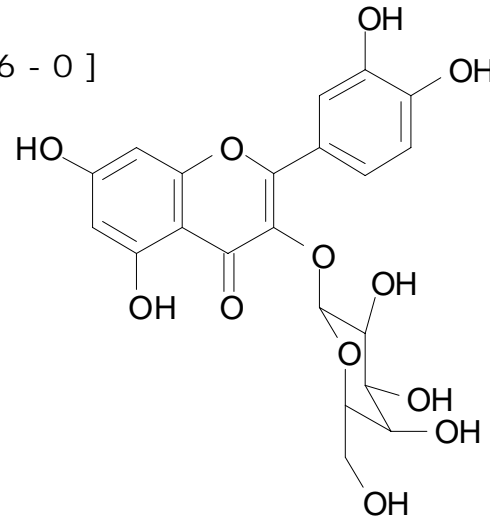
Hyperosid

1. Physico-chemical data of Hyperosid

Lot No.: 08.008

CAS-No.: [482 - 36 - 0]

Structural Formula:



Chemical Nomenclature: 2-(3,4-Dihydroxyphenyl)-3- β -D-galactopyrano-syl-oxy-5,7-dihydroxy-4-chromenon;
Quercetin-3-O-galactosid

Chemical Formula: C₂₁ H₂₀ O₁₂

Molecular Weight: 464.4

Appearance: pale yellow needles without any odour

Solubility: soluble in: Methanol, Acetonitril

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 6 months under conditions described above

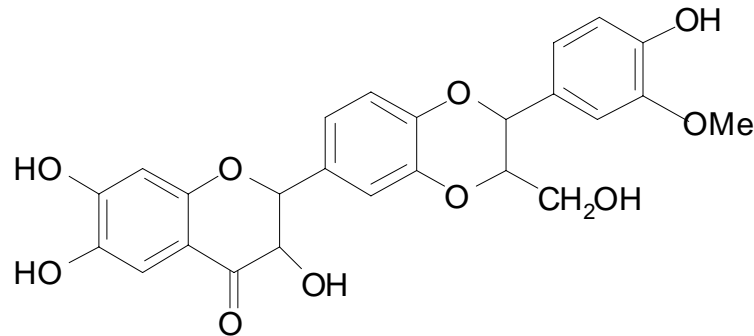
Isoquercitrine

1. Physico-chemical data of Isoquercitrine

Lot No.: 09.004

CAS-No.: [-]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: $C_{25} H_{22} O_{10}$

Molecular Weight: 482.46

Appearance: white powder without any odour

Solubility: soluble in: Methanol, ethanol, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

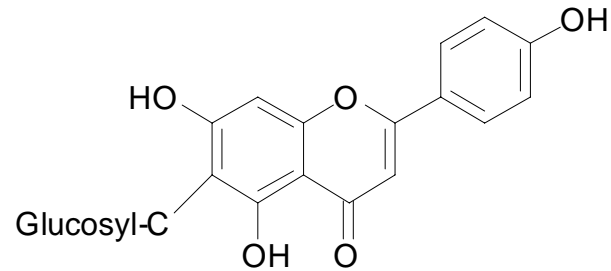
Isovitexin

1. Physico-chemical data of Isoquercitrine

Lot No.: 09.003

CAS-No.: [29702 - 25 - 8]

Structural Formula:



Chemical Nomenclature: Apigenin-6-C-glucoside;

Saponaretin;

Chemical Formula: $C_{21}H_{20}O_{10}$

Molecular Weight: 432.39

Appearance: yellow powder without any odour

Solubility: soluble in: Methanol, Ethanol, Acetonitrile

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

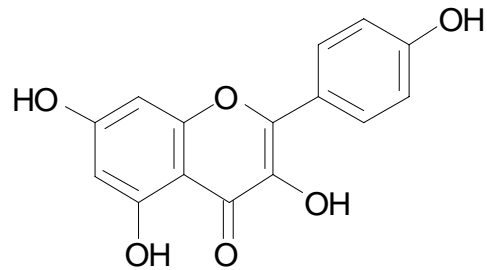
Kaempferol

1. Physico-chemical data of Kaempferol

Lot No.: 10.002

CAS-No.: [520 - 18 - 3]

Structural Formula:



Chemical Nomenclature: 3,5,7-Trihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one;
3,4',5,7-Tetrahydroxyflavone; Swartziol; Trifolitin;
Nimbecetin; Populnetin; Robugenin; Rhamnolutein;
Pelargidenolon 1497(syn)

Chemical Formula: C₁₅ H₁₀ O₆

Molecular Weight: 286.23

Appearance: yellow powder without any odour

Solubility: soluble in: hot alcohol, ether

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

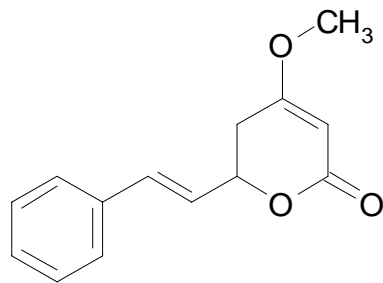
Kawain

1. Physico-chemical data of Kawain

Lot No.: 10.030

CAS-No.: [500 - 64 - 1]

Structural Formula:



Chemical Nomenclature: 4-Methoxy-6-trans-styryl-5,6-dihydro-pyran-2-one

Chemical Formula: C₁₄ H₁₇ O₃

Molecular Weight: 230.26

Appearance: white powder without any odour

Solubility: soluble in: alcohol, chloroform

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

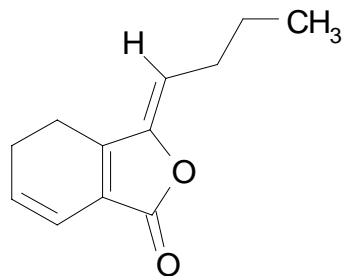
Ligustilide (Z)

1. Physico-chemical data of Ligustilide (Z)

Lot No.: 11.059

CAS-No.: [81944 - 09 - 4]

Structural Formula:



Chemical Nomenclature: 3-Butyliden-4,5-dihydro-3H-isobenzofuran-1-one;

Chemical Formula: C₁₂ H₁₄ O₂

Molecular Weight: 190.24

Appearance: colourless oil without any odour

Solubility: soluble in: Acetonitril/water

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

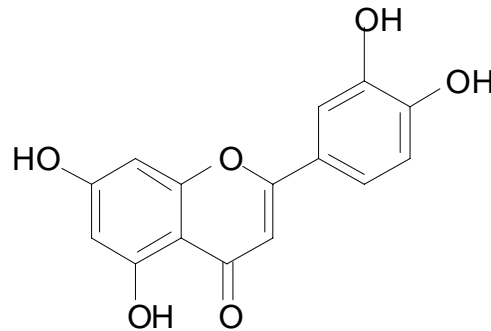
Luteolin

1. Physico-chemical data of Luteolin

Lot No.: 11.001

CAS-No.: [491 - 70 - 3]

Structural Formula:



Chemical Nomenclature: 2-(3,4-Dihydroxyphenyl)-5, 7-dihydroxy-4H-1-benzopyran-4-one

Chemical Formula: $C_{15} H_{10} O_6$

Molecular Weight: 286.23

Appearance: yellow powder without any odour

Solubility: soluble in: methanol, alkali

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

Menthol

1. Physico-chemical data of Menthol

Lot No.: 12.220

CAS-No.: [89 - 78 - 1]

Structural Formula:

Chemical Nomenclature:

Chemical Formula: C₁₀ H₂₀ O

Molecular Weight: 156.27

Appearance: powder without any odour

Solubility:

2. Storage and stability

Storage: keep protected from light;
store in a desiccator at -20°C

Stability: 6 months under conditions
described above

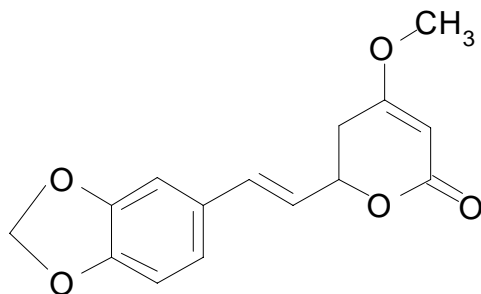
Methysticin

1. Physico-chemical data of Methysticin

Lot No.: 12.217

CAS-No.: [495 - 85 - 2]

Structural Formula:



Chemical Nomenclature: 4-Methoxy-6-[3,4-methylenedioxy-trans-styryl]-5,6-dihydro-pyran-2-one

Chemical Formula: C₁₅ H₁₄ O₅

Molecular Weight: 274.27

Appearance: white powder without any odour

Solubility: soluble in: alcohol, ether, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

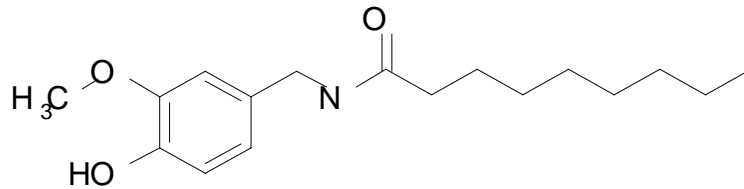
Nonivamide

1. Physico-chemical data of Nonivamide

Lot No.: 13.109

CAS-No.: [2444 - 46 - 4]

Structural Formula:



Chemical Nomenclature: Nonylic Acid Vanillyl Amide

Chemical Formula: C₁₇ H₂₇ N O₃

Molecular Weight: 293.4

Appearance: pale white powder with typical odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions
described above

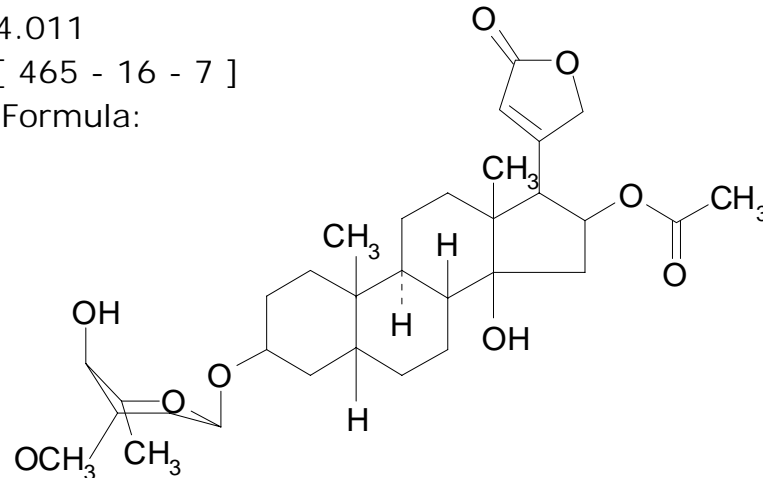
Oleandrine

1. Physico-chemical data of Oleandrine

Lot No.: 14.011

CAS-No.: [465 - 16 - 7]

Structural Formula:



Chemical Nomenclature: 3 β , 5 β , 16 β)-16-(Acetyloxy)-3-[(2, 6-dideoxy-3-O-methyl- α -L-arabino-hexapyranosyl)oxy]-14-hydroxy-äcard-20(22)-enolide; Neriolin;

Corrigen; Folinerin; Oleandrigenin-L-oleandroside

Chemical Formula: C₃₂ H₄₈ O₉

Molecular Weight: 576.75

Appearance: powder without any odour

Solubility: soluble in: alcohol, chloroform

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 6 months under conditions described above

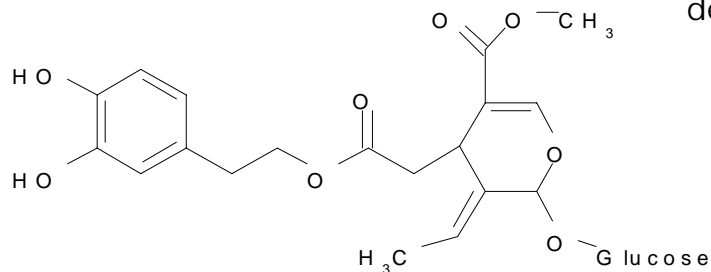
Oleuropein

1. Physico-chemical data of Oleuropein

Lot No.: 14.014

CAS-No.: [32619 - 42 - 4]

Structural Formula:



2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

Chemical Nomenclature: [2S-(2 α , 3E, 4 β)]-3-Ethylidene-2-(β -D-gluco-pyranosyloxy)-3, 4-dihydro-5-(methoxycarbonyl)-2H-pyran-4-acetic acid -2-(3, 4-dihydroxyphenyl)ethyl ester

Chemical Formula: C₂₅ H₃₂ O₁₃

Molecular Weight: 540.52

Appearance: natural white powder without any odour

Solubility: soluble in: methanol

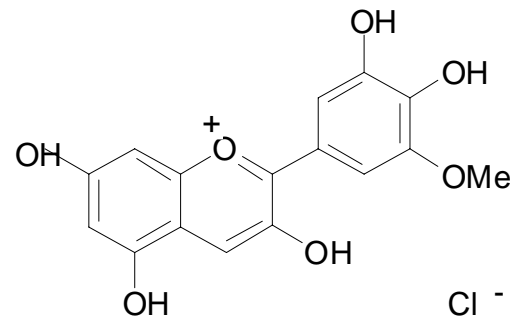
Petunidin

1. Physico-chemical data of Petunidin

Lot No.: 15.153

CAS-No.: [1429 - 30 - 7]

Structural Formula:



Chemical Nomenclature: 2-(3,4-Dihydroxy-5-methoxyphenyl)-3,5,7-trihydroxy-1-benzopyrylium chloride; 3,3',4',5,7-Pentahydroxy-5'-methoxyflavylium chloride; petunidol

Chemical Formula: C₁₆ H₁₃ Cl O₇

Molecular Weight: 352.73

Appearance: brown violet crystals without any odour

Solubility: soluble in: alcohol, aqueous HCl

Instable in: Methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 6 months under conditions described above

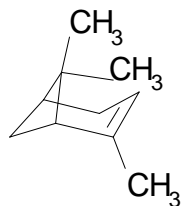
alpha-Pinene

1. Physico-chemical data of alpha-Pinene

Lot No.: 15.152

CAS-No.: [7785 - 70 - 8]

Structural Formula:



Chemical Nomenclature: 2,6,6 -Trimethylbicyclo [3.1.1]-hept-2-ene

Chemical Formula: C₁₀ H₁₆

Molecular Weight: 136.24

Appearance: colourless oil with characteristic odour

Solubility: soluble in: alcohol, chloroform, ether

2. Storage and stability

Storage: keep protected from light; store in a desiccator at -20°C

Stability: 6 months under conditions described above

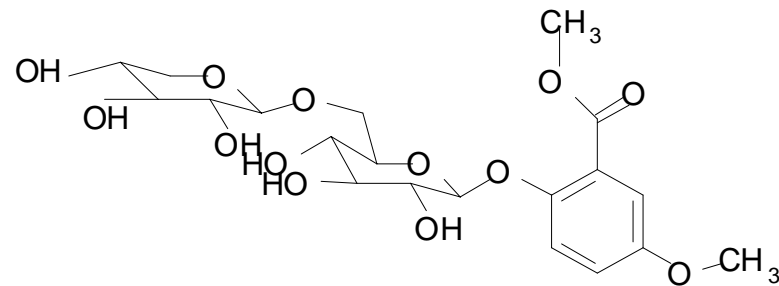
Primulaverin

1. Physico-chemical data of Primulaverin

Lot No.: 15.164

CAS-No.: [154 - 61 - 0]

Structural Formula:



Chemical Nomenclature: 5-Methoxy-salicylic acid
methylester-2-O-primveroside

Chemical Formula: C₂₀ H₂₈ O₁₃

Molecular Weight: 476.44

Appearance: white crystalline powder without any odour

Solubility: soluble in: water

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions
described above

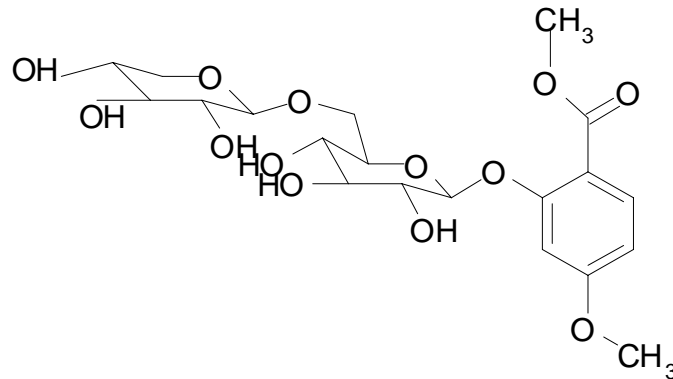
Primverin

1. Physico-chemical data of Primverin

Lot No.: 15.163

CAS-No.: [154 - 60 - 9]

Structural Formula:



Chemical Nomenclature: 4-Methoxy-salicylic acid
methylester-2-O-primveroside

Chemical Formula: $C_{20} H_{28} O_{13}$

Molecular Weight: 476.44

Appearance: white crystalline powder without any odour

Solubility: soluble in: water

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions
described above

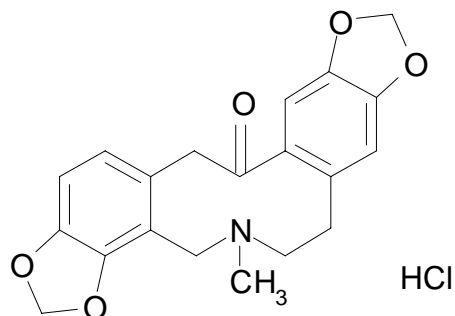
Protopine HCl

1. Physico-chemical data of Protopine HCl

Lot No.: 15.159

CAS-No.: [6164 - 47 - 2]

Structural Formula:



Chemical Nomenclature: Fumarine; Macleyine; Biflorin;
Corydine; 4, 6, 7, 14-Tetrahydro-5-Methyl-bis(1,3)-benzodioxolo(4,5-C:5',6'-G) azein-13 85H9-one;

Chemical Formula: $C_{20}H_{19}NO_5 \times HCl$

Molecular Weight: 389.84

Appearance: white powder without any odour

Solubility: soluble in: alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

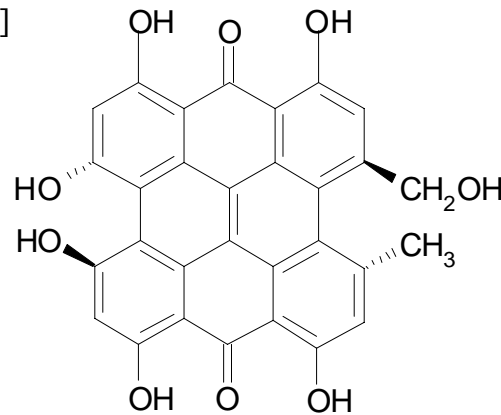
Pseudohypericin

1. Physico-chemical data of Pseudohypericine

Lot No.: 15.003

CAS-No.: [55954 - 61 - 5]

Structural Formula:



Chemical Nomenclature: 1,3,4,6,8,13-Hexahydroxy-10-hydroxymethyl-11 methyl-phenanthro-[1,10,9,8-opqra]-perylene-7,14-dione; 4,5,7,4',5',7'-hexahydroxy-2-hydroxymethyl-2'-methyl-naphtho-dianthron;

Chemical Formula: C₃₀ H₁₆ O₉

Molecular Weight: 520.45

Appearance: black violet powder without any odour

Solubility: soluble in: methanol, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

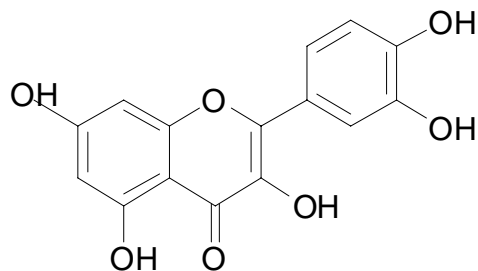
Quercetin

1. Physico-chemical data of Quercetin

Lot No.: 16.002

CAS-No.: [117 - 39 - 5]

Structural Formula:



Chemical Nomenclature: 2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4H-1-benzopyran-4-one;

3,3',4',5,7-Pentahydroxyflavone;

meletin; sophoretin;

Chemical Formula: $C_{15}H_{10}O_7 \times 2 H_2O$

Molecular Weight: 338.28

Appearance: pale yellow powder without any odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

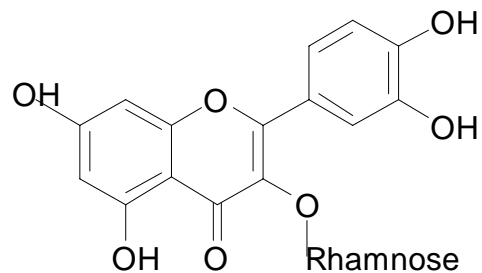
Quercitrin

1. Physico-chemical data of Quercitrin

Lot No.: 16.016

CAS-No.: [522 - 12 - 3]

Structural Formula:



Chemical Nomenclature: 3 Rhamnosyl-2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4H-1-benzopyran-4-one;

Chemical Formula: $C_{21} H_{20} O_{11}$

Molecular Weight: 448.38

Appearance: yellow powder without any odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

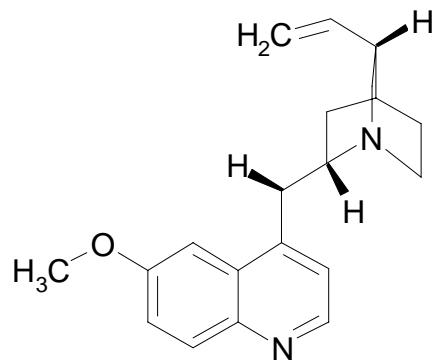
Quinine

1. Physico-chemical data of Quinine

Lot No.: 16.021

CAS-No.: [130 - 95 - 0]

Structural Formula:



Chemical Nomenclature: (R)-(6-Methoxyquinol-4-yl)[2S,4R,5R]-5-vinylquinuclidin-2-yl] methanol

Chemical Formula: C₂₀ H₂₄ N₂ O₂

Molecular Weight: 324.42

Appearance: white powder without any odour

Solubility: soluble in: alcohol, chloroform

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

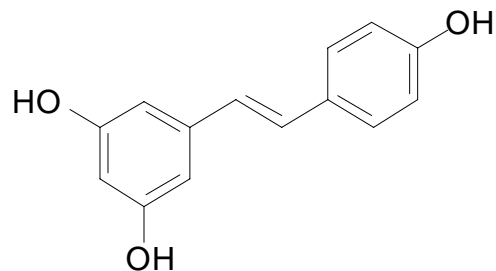
Resveratrol

1. Physico-chemical data of Resveratrol

Lot No.: 17.007

CAS-No.: [501 - 36 - 0]

Structural Formula:



Chemical Nomenclature: (E)-5-[2-(4-hydroxyphenyl)ethenyl]-1,3-ben-zenediol; (E)-5-(p-hydroxystyryl)resorcinol;

Chemical Formula: C₁₄ H₁₂ O₃

Molecular Weight: 228.25

Appearance: white powder without any odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

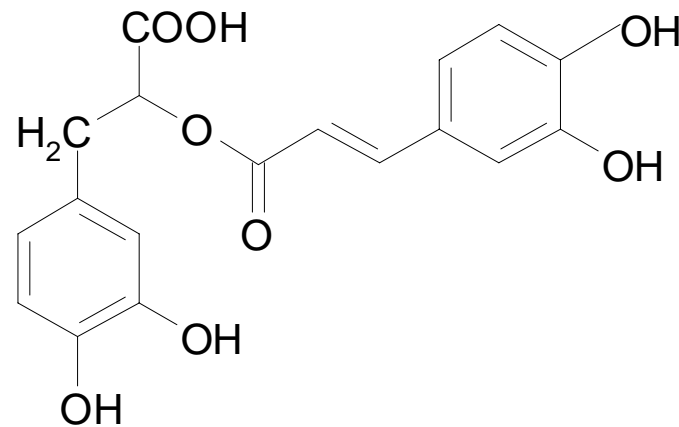
Rosmarinic acid

1. Physico-chemical data of Rosmarinic acid

Lot No.: 17.003

CAS-No.: [20283 - 92 - 5]

Structural Formula:



Chemical Nomenclature: (R)-2-[3,4-Dihydroxy-trans-cinnamoyloxy-3,4-Dihydroxy-phenyl]propionic acid

Labiatic acid

Chemical Formula: C₁₈ H₁₆ O₈

Molecular Weight: 360.30

Appearance: white powder without any odour

Solubility: soluble in: Aceton; Acetonitril; Ethanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

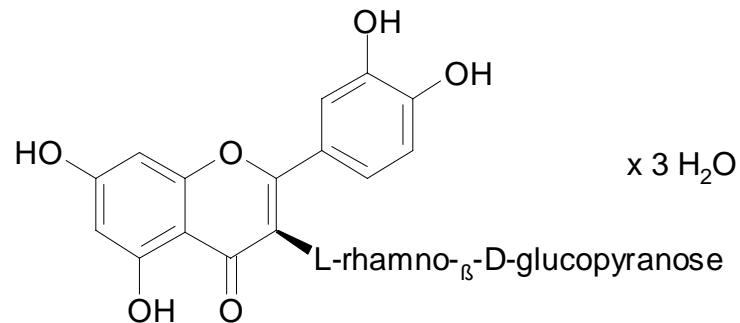
Rutin Trihydrate

1. Physico-chemical data of Rutin Trihydrate

Lot No.: 17.005

CAS-No.: [153 - 18 - 4]

Structural Formula:



Chemical Nomenclature: 2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-3-(6-O- α -L-rhamnopyranosyl) β -D-glucopyrano-syl-4-chromenon; Rutosid

Chemical Formula: C₂₇ H₃₀ O₁₆ x 3 H₂O

Molecular Weight: 664.55

Appearance: yellow powder without any odour

Solubility: soluble in: pyridine, alkali and alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

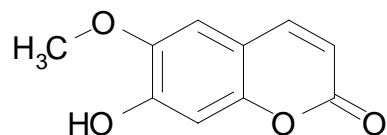
Scopoletin

1. Physico-chemical data of Scopoletin

Lot No.: 18.004

CAS-No.: [92 - 61 - 5]

Structural Formula:



Chemical Nomenclature: 7-Hydroxy-6-methoxycoumarin

Esculetin-6-methylester

Chemical Formula: C₁₀ H₈ O₄

Molecular Weight: 192.18

Appearance: pale yellow powder without any odour

Solubility: soluble in: Ethanol, Methanol, Acetonitril

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

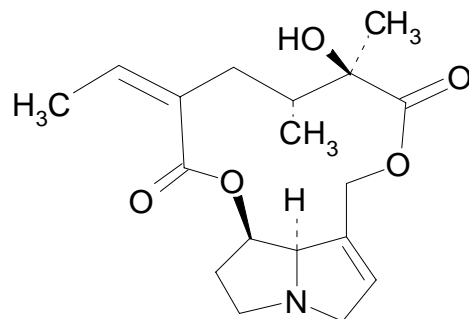
Senecionine

1. Physico-chemical data of Senecionine

Lot No.: 18.019

CAS-No.: [130 - 01 - 8]

Structural Formula:



Chemical Nomenclature: 12-Hydroxysenecionan-11,16-dione; aureine (syn.)

Chemical Formula: C₁₈ H₂₅ N O₅

Molecular Weight: 335.40

Appearance: white powder without any odour

Solubility: soluble in: chloroform, methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

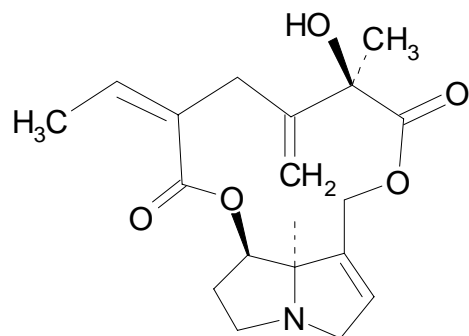
Seneciophylline

1. Physico-chemical data of Seneciophylline

Lot No.: 18.034

CAS-No.: [19776 - 79 - 5]

Structural Formula:



Chemical Nomenclature: 13,19-Didehydro-12-hydroxy-senecionan-11,16-dione; Jacodin;

Chemical Formula: C₁₈ H₂₃ N O₅

Molecular Weight: 333.38

Appearance: white powder without any odour

Solubility: soluble in: chloroform, methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

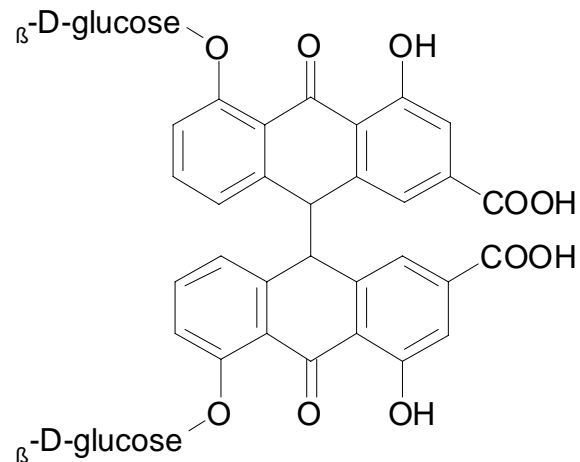
Sennoside A

1. Physico-chemical data of Sennoside A

Lot No.: 18.006

CAS-No.: [81 - 27 - 6]

Structural Formula:



Chemical Nomenclature: (R*,R*)-5,5'-Bis/ β -D-glucopyranosyloxy)-9,9'-10,10'-tetra-hydro-4,4'-dihydroxy-10,10'-dioxo[9,9'-bianthracene]-2,2'-dicarboxylic acid

Chemical Formula: C₄₂ H₃₈ O₂₀

Molecular Weight: 862.75

Appearance: yellow brown powder without any odour

Solubility: soluble in: water/alcohol or water/acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

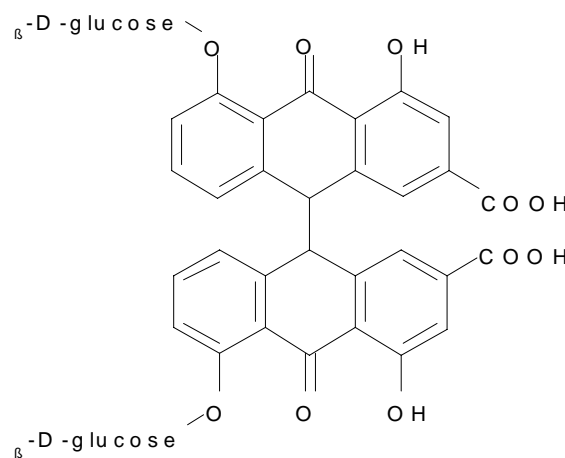
Sennoside B

1. Physico-chemical data of Sennoside B

Lot No.: 18.007

CAS-No.: [128 - 57 - 4]

Structural Formula:



Chemical Nomenclature: (R*,R*)-5,5'-Bis/ β -D-gluco-pyranosyloxy)-9,9'-10,10'-tetra-hydro-4,4'-dihydroxy-10,10'-dioxo[9,9'-bianthracene]-2,2'-dicarboxylic acid

Chemical Formula: C₄₂ H₃₈ O₂₀

Molecular Weight: 862.75

Appearance: yellow brown powder without any odour

Solubility: soluble in: water/alcohol or water/acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

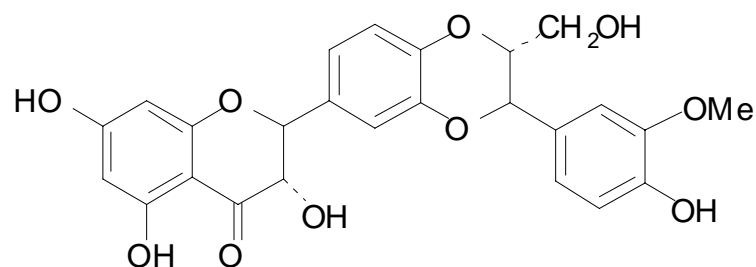
Silybine A/B

1. Physico-chemical data of Silybine A/B

Lot No.: 18.009

CAS-No.: [22888 - 70 - 6]

Structural Formula:



Chemical Nomenclature: [2R-[2 α ,3 β ,6-(2R*,3R*)]]-2-[2,3-Dihydro-3-(4-hydroxy-3-methoxyphenyl)-2-(hydroxy-methyl-1,4-benzodioxin-6yl)]-2,3-dihydro - 3,5,7-trihydroxy-4H-1-benzopyrane;

Silybinine(syn.)

Chemical Formula: C₂₅ H₂₂ O₁₀

Molecular Weight: 482.46

Appearance: white powder without any odour

Solubility: soluble in: Methanol, ethanol, acetone

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

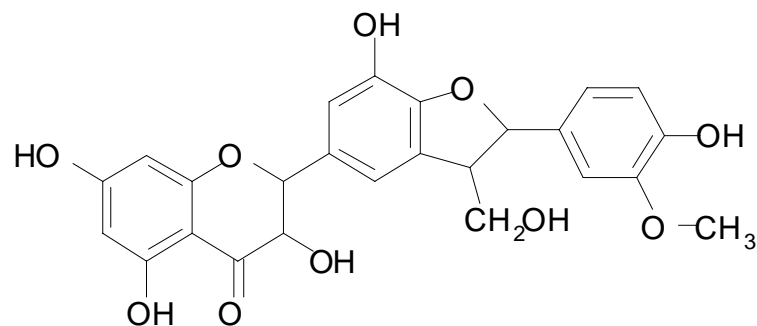
Silychristine

1. Physico-chemical data of Silychristine

Lot No.: 18.020

CAS-No.: [-]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: C₂₅ H₂₂ O₁₀

Molecular Weight: 482.4

Appearance: white powder without any odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

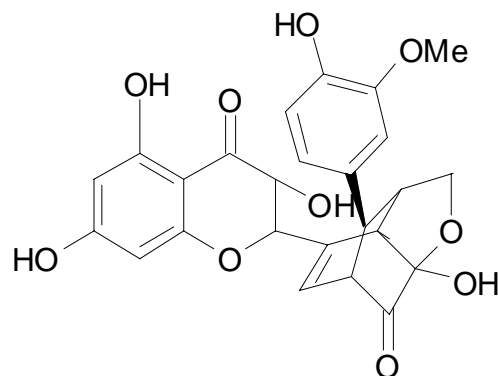
Silydianine

1. Physico-chemical data of Silydianine

Lot No.: 18.008

CAS-No.: [29782 - 68 - 1]

Structural Formula:



Chemical Nomenclature:

Chemical Formula: $C_{25} H_{22} O_{10}$

Molecular Weight: 482.4

Appearance: white powder without any odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

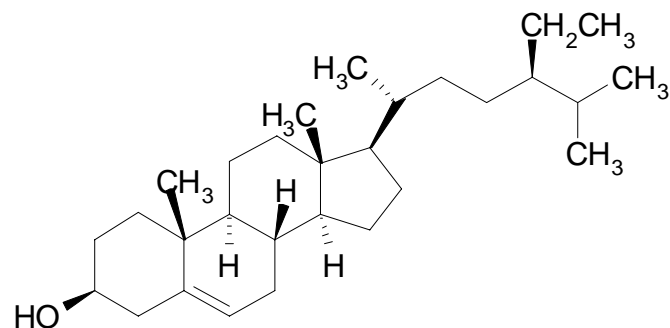
Sitosterol (β-)

1. Physico-chemical data of Sitosterol (β-)

Lot No.: 18.011

CAS-No.: [83 - 46 - 5]

Structural Formula:



Chemical Nomenclature: 24-beta-ethylcholesterol, 5-Stigmasten-3-beta-ol

Chemical Formula: C₂₉ H₅₀ O

Molecular Weight: 414.72

Appearance: white powder without any odour

Solubility: soluble in: chloroform, methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

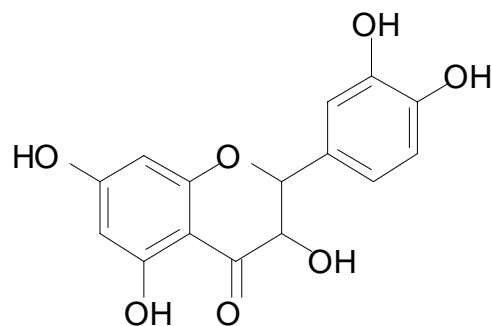
Taxifoline

1. Physico-chemical data of Taxifoline

Lot No.: 19.041

CAS-No.: [480 - 18 - 2]

Structural Formula:



Chemical Nomenclature: 3, 5,7,3',4'-Pentahydroxy-flavanone

Chemical Formula: C₁₅ H₁₂ O₇

Molecular Weight: 304.25

Appearance: white powder without any odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

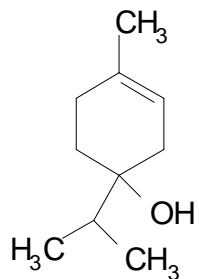
Terpinen-4-ol (-)

1. Physico-chemical data of Terpinen-4-ol (-)

Lot No.: 19.009

CAS-No.: [20126 - 76 - 5]

Structural Formula:



Chemical Nomenclature: (-)-p-Menth-1-en-4-ole;

4-Isopropyl-1-methyl-1-cyclonhexen-4-ole;

Chemical Formula: C₁₀ H₁₈ O

Molecular Weight: 154.25

Appearance: clear oily liquid with typical odour

Solubility: soluble in: 96 % ethanole

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

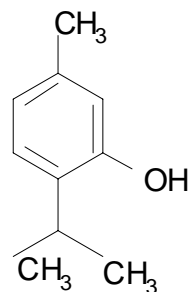
Thymol

1. Physico-chemical data of Thymol

Lot No.: 19.165

CAS-No.: [89 - 83 - 8]

Structural Formula:



Chemical Nomenclature: 5-Methyl-2-(1-methylethyl)-phenole; m-thymol; Thyme Campher

Chemical Formula: C₁₀ H₁₄ O

Molecular Weight: 150.21

Appearance: white crystal powder with typical odour

Solubility: soluble in: alcohol, chloroform, ether

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

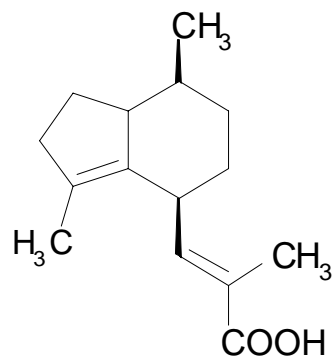
Valerenic acid

1. Physico-chemical data of Valerenic acid

Lot No.: 21.001

CAS-No.: [3569 - 10 - 6]

Structural Formula:



Chemical Nomenclature: 3t-[(7aR)-3,7t-Dimethyl-(7ar)-2,4,5,6,7,7a-exahydro-1H-inden-4c-yl]-2-methyl-acrylic acid

Chemical Formula: C₁₅ H₂₂ O₂

Molecular Weight: 234

Appearance: colourless crystal powder without any odour

Solubility: soluble in: Methanol and Acetonitrile

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

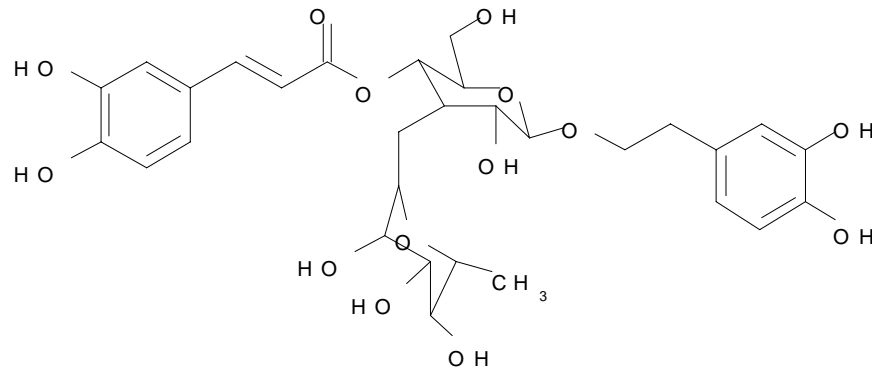
Verbascoside

1. Physico-chemical data of Verbascoside

Lot No.: 21.023

CAS-No.: [612 - 17 - 3]

Structural Formula:



Chemical Nomenclature: β -(3',4'-dihydroxyphenyl)-ethyl-O- α -L-rham-nopyranosyl (1->3)- β -D-(4-O-caffeoyl)-glu-copyranoside; Acteosid

Chemical Formula: C₂₉ H₃₆ O₁₅

Molecular Weight: 624.6

Appearance: natural white powder without any odour

Solubility: soluble in: acetonitrile

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

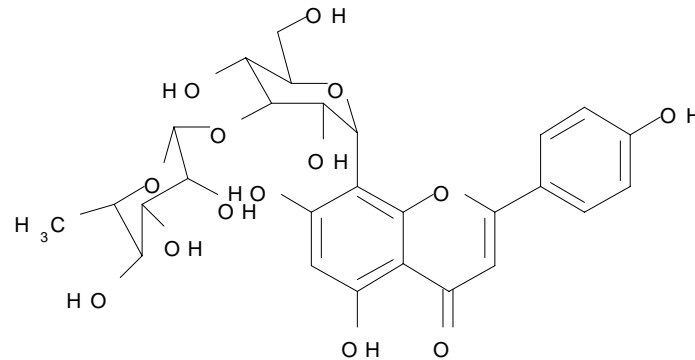
Vitexin-2-O-rhamnoside

1. Physico-chemical data of Vitexin-2-O-rhamnoside

Lot No.: 21.005

CAS-No.: [64820 - 99 - 1]

Structural Formula:



Chemical Nomenclature: Apigenin-8-C- α -L-rhamnosyle-(1-2)- β -D-glucopyranoside

Chemical Formula: $C_{27} H_{30} O_{14}$

Molecular Weight: 578.53

Appearance: pale yellow powder without any odour

Solubility: soluble in: methanol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at $-20^{\circ}C$

Stability: 12 months under conditions described above

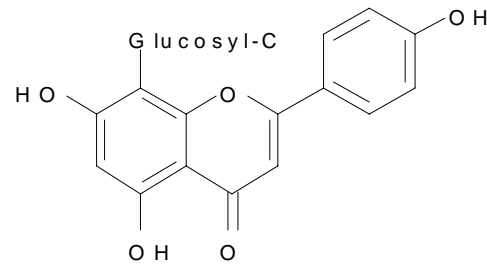
Vitexin

1. Physico-chemical data of Vitexin

Lot No.: 21.002

CAS-No.: [3681 - 93 - 4]

Structural Formula:



Chemical Nomenclature: 8-C-(β -D-glucopyranosyl)-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1benzopyran-4-one; Apigenin-8-C-glucoside; Orientoside;

Chemical Formula: $C_{21} H_{20} O_{10}$

Molecular Weight: 432.36

Appearance: Yellow powder without any odour

Solubility: soluble in: Methanol, Ethanol, Acetonitrile

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above

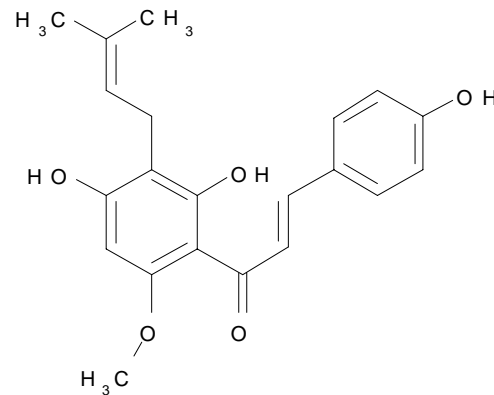
Xanthohumol

1. Physico-chemical data of Xanthohumol

Lot No.: 23.001

CAS-No.: [6754 - 58 - 1]

Structural Formula:



Chemical Nomenclature: 4',1,7-Trihydroxy-5-methoxy-8-[γ,γ -dimethyl-allyl]-chalcone

Chemical Formula: $C_{21} H_{22} O_5$

Molecular Weight: 354.40

Appearance: orange yellow crystal powder without any odour

Solubility: soluble in: Methanol, Ethanol, Acetonitril Ethylacetat

Slightly soluble in: water

2. Storage and stability

Storage: keep protected from light;
store in a desiccator at $-20^{\circ}C$

Stability: 6 months under conditions
described above

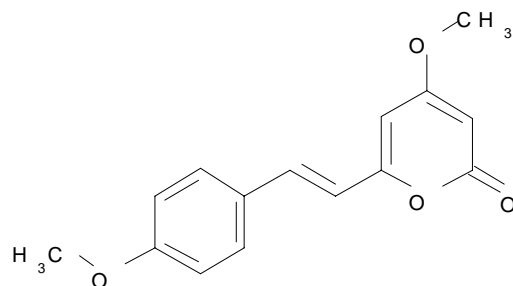
Yangonin

1. Physico-chemical data of Yangonin

Lot No.: 24.002

CAS-No.: [500 - 62 - 9]

Structural Formula:



Chemical Nomenclature: 4-Methoxy-6-[2-(4-methoxyphenyl)ethyl]-2H-pyran-2-one

Chemical Formula: C₁₅ H₁₄ O₄

Molecular Weight: 258.27

Appearance: yellowish powder without any odour

Solubility: soluble in: ethyl acetate, acetone hot alcohol

2. Storage and stability

Storage: keep protected from light;

store in a desiccator at -20°C

Stability: 12 months under conditions described above