



Type of Compound Code(s): XA5970 VG0060 XA2400 XA2290 XA1625 XA1700

Molecular Formula: C₁₈H₁₆O₈

Molecular Weight: 360.32

Accurate Mass: 360.08452

Percentage Composition: C 60.00%; H 4.48%; O 35.52%

Biological Source: Constit. of *Rosmarinus officinalis*, *Melissa officinalis*, *Momordica balsamina*, *Mentha piperita*, *Salvia officinalis*, *Teucrium scorodonia*, *Sanicula europaea*, *Coleus blumei*, *Thymus* spp. and other plant spp.

Biological Use/Importance: Exhibits antithrombotic and antiplatelet effects. Antiinflammatory agent. Shows anti-HIV, antibacterial and antifungal effects; antiemetic, antigenotoxic activities etc. Plant growth inhibitor activity

Physical Description: Cryst. + 2H₂O

Melting Point: Mp 204 dec.°

Optical Rotation: [α]_D²⁰ +145

Calculated Log P Data: Log P 1.01 (calc)

UV: [neutral] $\lambda_{\max}$ 230 (); 329 () (MeOH) (Berdy)

Hazard & Toxicity: LD₅₀ (mus, ivn) 561 mg/kg

>>Derivative: 2-*O*-(3,4-Dihydroxy-*E*-cinnamoyl), Me ester

Synonym(s): Methyl rosmarinate

CAS Registry Number: 99353-00-1

Extra CAS Registry Numbers(s): 179462-75-0

Type of Compound Code(s): VG0060

Molecular Formula: C₁₉H₁₈O₈

Molecular Weight: 374.346

Accurate Mass: 374.10017

Percentage Composition: C 60.96%; H 4.85%; O 34.19%

Biological Source: Constit. of *Clinopodium laxiflorum* and *Salvia* spp.

Physical Description: Amorph.

Optical Rotation: [α]_D¹⁸ +138 (c, 0.6 in MeOH)

UV: [neutral] $\lambda_{\max}$ 287 (); 326 () (MeOH)

>>Derivative: 2-*O*-(3,4-Dihydroxy-*E*-cinnamoyl), butyl ester

Synonym(s): Butyl rosmarinate

Type of Compound Code(s): VG0060

Molecular Formula: C₂₂H₂₄O₈

Molecular Weight: 416.427

Accurate Mass: 416.14712

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Biological Source: Constit. of *Isodon oresbius*

Physical Description: Amorph. yellow powder

Optical Rotation: [α]_D +56 (c, 0.86 in CHCl₃)

>>Derivative: 2-*O*-(3,4-Dihydroxy-*E*-cinnamoyl), 4-*O*- β -D-glucopyranoside

Type of Compound Code(s): VG0060

Molecular Formula: C₂₄H₂₆O₁₃

Molecular Weight: 522.462

Accurate Mass: 522.137345

Percentage Composition: C 55.17%; H 5.02%; O 39.81%

Biological Source: Constit. of the fruit of *Helicteres isora*

Physical Description: Amorph. powder

Optical Rotation: [α]_D +9 (c, 0.9 in MeOH)

UV: [neutral] $\lambda_{\max}$ 204 (log ϵ 4.52); 287 (log ϵ 4.22); 319 (log ϵ 4.11) (MeOH)

>>Derivative: 2-*O*-[β -D-Glucopyranosyl-($\rightarrow$ 3)-3,4-dihydroxy-*E*-cinnamoyl]

Synonym(s): Salviaflaside

CAS Registry Number: 178895-25-5

Type of Compound Code(s): VG0060

Molecular Formula: C₂₄H₂₆O₁₃

Molecular Weight: 522.462

Accurate Mass: 522.137345

Percentage Composition: C 55.17%; H 5.02%; O 39.81%

Biological Source: Constit. of *Salvia flava* and *Salvia miltiorrhiza*

Physical Description: Amorph. yellow powder

Optical Rotation: [α]_D +18.5 (c, 0.065 in MeOH)