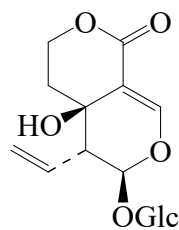




>>Entry Name: Swertiamarin

Synonym(s): Swertiamaroside



CAS Registry Number: 17388-39-5

Molecular Formula: C₁₆H₂₂O₁₀

Molecular Weight: 374.344

Accurate Mass: 374.1213

Percentage Composition: C 51.34%; H 5.92%; O 42.74%

Biological Source: Constit. of *Swertia japonica*, *Anthocleista procera* and *Ericostemma litorale*

Physical Description: Cryst. (EtOH/CHCl₃/Et₂O)

Melting Point: Mp 110-112°

Optical Rotation: [α]_D -127

Solubility: BERDY SOL: Sol. H₂O; poorly sol. hexane

>>Derivative: 6'-O-β-D-Xylopyranosyl

Synonym(s): Chionioside

CAS Registry Number: 149155-17-9

Molecular Formula: C₂₁H₃₀O₁₄

Molecular Weight: 506.46

Accurate Mass: 506.16356

Percentage Composition: C 49.80%; H 5.97%; O 44.23%

Biological Source: Constit. of *Chironia krebsii*

Physical Description: Amorph. powder

Melting Point: Mp 128°

Optical Rotation: [α]_D²⁴ -107 (c, 0.3 in MeOH)

>>Derivative: 6'-O-β-D-Glucopyranosyl

Synonym(s): 6'-O-Glucosylswertiamarin

CAS Registry Number: 130364-28-2

Molecular Formula: C₂₂H₃₂O₁₅

Molecular Weight: 536.486

Accurate Mass: 536.174125

Percentage Composition: C 49.25%; H 6.01%; O 44.73%

Biological Source: Constit. of *Gentiana alpina*

>>Derivative: 2'-Ac

CAS Registry Number: 119691-76-8

Molecular Formula: C₁₈H₂₄O₁₁

Molecular Weight: 416.381

Accurate Mass: 416.131865

Percentage Composition: C 51.92%; H 5.81%; O 42.27%

Biological Source: Constit. of *Swertia mileensis*

>>Derivative: 2',3',4',6'-Tetra-Ac

Synonym(s): Acetylramosin C

CAS Registry Number: 10289-37-9

Molecular Formula: C₂₄H₃₀O₁₄

Molecular Weight: 542.493

Accurate Mass: 542.16356

Percentage Composition: C 53.14%; H 5.57%; O 41.29%

Biological Source: Isol. from *Erythraea ramosissima*

Melting Point: Mp 194°

Optical Rotation: [α]