



Product Information

Swertiamarin

Cat. No.: X23-04-XQ220

Size: 1 mg; 5 mg; 10 mg; 20 mg; 50 mg; 100 mg; 200 mg; 500 mg; 1 g

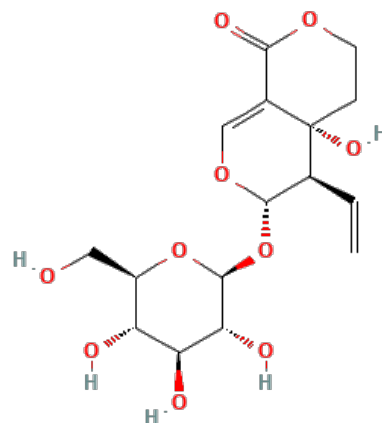
MDL: MFCD07783984

CAS Number: 17388-39-5

Compound CID: 442435

Synonym: 17388-39-5; Swertiamarin; Swertiamarine; Swertiamaroside

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Swertiamarin is a common secoiridoid with anti-inflammatory, anticancer, hypoglycemic, and hypolipidemic activities.
Molecular Weight	374.34
Molecular Formula	C ₁₆ H ₂₂ O ₁₀
IUPAC Name	(3 <i>S</i> ,4 <i>R</i> ,4 <i>aR</i>)-4-Ethenyl-4a-hydroxy-3-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-3,4,5,6-tetrahydropyrano[3,4- <i>c</i>]pyran-8-one
InChI	InChI=1S/C16H22O10/c1-2-7-14(24-6-8-13(21)23-4-3-16(7,8)22)26-15-12(20)11(19)10(18)9(5-17)25-15/h2,6-7,9-12,14-15,17-20,22H,1,3-5H2/t7-,9+,10+,11-,12+,14-,15-,16+/m0/s1
InChI Key	HEYZWPRKKUGDCR-QBXMEVCASA-N
Canonical SMILES	C=CC1C(OC=C2C1(CCOC2=O)O)OC3C(C(C(C(O3)CO)O)O)O
Isomeric SMILES	C =C[C@H]1 [C@@H](OC=C2[C@]1(CCOC2=O)O)O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O
Source	<i>Gentianaceae Swertia</i> L.
Form	White flaky crystal
Purity	>98%, determined by HPLC.
Solubility	It is easily soluble in methanol, ethanol, slightly soluble in water, insoluble in chloroform and petroleum ether.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.



Melting Point	113-114°C
Applications	Swertiamarin can be used for promoting choleresis, invigorating the stomach, relieving spasm and analgesia, <i>etc.</i>
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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