

Product Information

Sweroside

Cat. No.: X23-04-XQ166

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

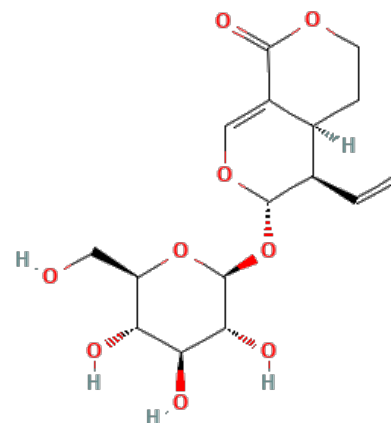
MDL: MFCD09954487

CAS Number: 14215-86-2

Compound CID: 161036

Synonym: 14215-86-2; Sweroside; (-)-Sweroside

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



Product Information

Description	Sweroside is a secoiridoid glycoside that exhibits cytoprotective, anti-osteoporotic, and hepatoprotective effects.
Molecular Weight	358.3
Molecular Formula	C ₁₆ H ₂₂ O ₉
IUPAC Name	(3 <i>S</i> ,4 <i>R</i> ,4 <i>aS</i>)-4-Ethenyl-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-4,4 <i>a</i> ,5,6-tetrahydro-3 <i>H</i> -pyrano[3,4- <i>c</i>]pyran-8-one
InChI	InChI=1S/C16H22O9/c1-2-7-8-3-4-22-14(21)9(8)6-23-15(7)25-16-13(20)12(19)11(18)10(5-17)24-16/h2,6-8,10-13,15-20H,1,3-5H2/t7-,8+,10-,11-,12+,13-,15+,16+/m1/s1
InChI Key	VSJGJMKGNMDJCI-ZASXJUAOSA-N
Canonical SMILES	C=CC1C2CCOC(=O)C2=COC1OC3C(C(C(C(O ₃)CO)O)O)O
Isomeric SMILES	C =C [C@ @H]1[C@ @H]2CCOC(=O)C2=CO[C@H]1O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O ₃)CO)O)O)O
Source	<i>Swertia cincta</i> Burk
Form	White powder
Purity	>98%, determined by HPLC.
Solubility	It is soluble in water, methanol, chloroform, DMSO and other solvents, but insoluble in petroleum ether.
Identity	Confirmed by NMR and MS.



Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	110-112°C
Applications	Sweroside can be used for cytoprotective, anti-osteoporotic, and hepatoprotective effect experiments, <i>etc.</i>
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
--------------------------------------	------------------------------
