

Product Information

Daphylloside

Cat. No.: X23-04-XQ172

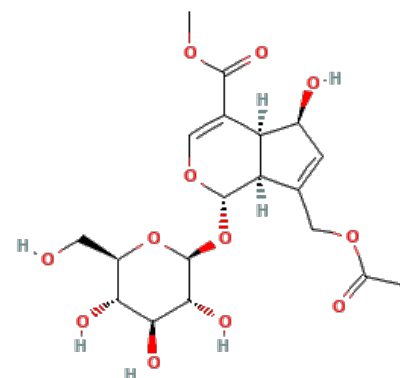
Size: 10 mg; 20 mg; 50 mg; 100 mg

CAS Number: 14260-99-2

Compound CID: 21602024

Synonym: 14260-99-2; Daphylloside

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



Product Information

Description	Daphylloside is a glycoside and an iridoid monoterpene.
Molecular Weight	446.405
Molecular Formula	C ₁₉ H ₂₆ O ₁₂
IUPAC Name	Methyl (1 <i>S</i> ,4 <i>aS</i> ,5 <i>S</i> ,7 <i>aS</i>)-7-(acetyloxymethyl)-5-hydroxy-1-[(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-1,4 <i>a</i> ,5,7 <i>a</i> -tetrahydrocyclopenta[<i>c</i>]pyran-4-carboxylate
InChI	InChI=1S/C19H26O12/c1-7(21)28-5-8-3-10(22)13-9(17(26)27-2)6-29-18(12(8)13)31-19-16(25)15(24)14(23)11(4-20)30-19/h3,6,10-16,18-20,22-25H,4-5H2,1-2H3/t10-,11+,12+,13-,14+,15-,16+,18-,19-/m0/s1
InChI Key	YSOBQIMODQOGKQ-HOZAMIDDSA-N
Canonical SMILES	CC(=O)OCC1=CC(C2C1C(OC=C2C(=O)OC)OC3C(C(C(C(O3)CO)O)O)O)O
Isomeric SMILES	CC(=O)OCC1=C[C@@H]([C@H]2[C@@H]1[C@@H](OC=C2C(=O)OC)O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O)O
Form	White crystal or powder
Purity	>98%, determined by HPLC.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Daphylloside can be used for antioxidant effect experiments, etc.
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
