

Product Information

Loganic acid

Cat. No.: X23-04-XQ325

Size: 20 mg; 50 mg; 100 mg; 200 mg

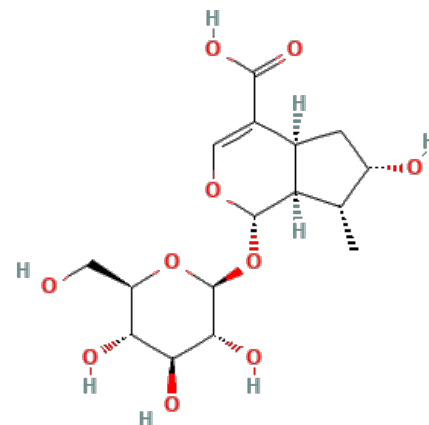
MDL: MFCD00017417

CAS Number: 22255-40-9

Compound CID: 89640

Synonym: 22255-40-9; Loganic acid; Loganate; Loganic-acid; Loganin acid

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



Product Information

Description	Loganic acid is an iridoid glycoside that has diverse biological activities, including antidiabetic, antiadipogenic, anti-atherosclerotic, and anti-inflammatory properties.
Molecular Weight	376.36
Molecular Formula	C ₁₆ H ₂₄ O ₁₀
IUPAC Name	(1S,4aS,6S,7R,7aS)-6-Hydroxy-7-methyl-1-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-1,4a,5,6,7,7a-hexahydrocyclopenta[c]pyran-4-carboxylic acid
InChI	InChI=1S/C16H24O10/c1-5-8(18)2-6-7(14(22)23)4-24-15(10(5)6)26-16-13(21)12(20)11(19)9(3-17)25-16/h4-6,8-13,15-21H,2-3H2,1H3,(H,22,23)/t5-,6+,8-,9+,10+,11+,12-,13+,15-,16-/m0/s1
InChI Key	JNNGEAWILNVFFD-CDJYTOATSA-N
Canonical SMILES	CC1C(CC2C1C(OC=C2C(=O)O)OC3C(C(C(C(O3)CO)O)O)O)O
Isomeric SMILES	C[C@H]1[C@H](C[C@H]2[C@@H]1[C@@H](OC=C2C(=O)O)O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O)O
Source	Roots and rhizomes of <i>Gentiana macrophylla</i> Pall
Form	White powder
Purity	>98%, determined by HPLC.
Solubility	It is soluble in water, methanol, ethanol, acetone and DMSO.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Loganic acid can be used for antidiabetic, antiadipogenic, anti-atherosclerotic, and anti-inflammatory property experiments, etc.



Storage

Store at 4°C. Protect from light.

Safety Information

Personal Protective

Gloves, eyeshields, N95 mask

Equipment
