



Product Information

Paederosidic acid methyl ester

Cat. No.: X23-04-XQ101

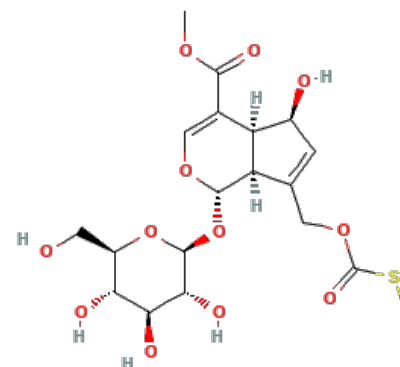
Size: 10 mg; 20 mg; 50 mg; 100 mg

CAS Number: 122413-01-8

Compound CID: 6325269

Synonym: 122413-01-8; Paederosidic acid methyl ester

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



Product Information

Description	Paederosidic acid methyl ester has antinociception, is possibly related to the pathway of NO-cGMP-ATP sensitive K(+) channels.
Molecular Weight	478.47
Molecular Formula	C ₁₉ H ₂₆ O ₁₂ S
IUPAC Name	Methyl (1S,4aS,5S,7aS)-5-Hydroxy-7-(methylsulfanylcabonyloxymethyl)-1-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-1,4a,5,7a-tetrahydrocyclopenta[c]pyran-4-carboxylate
InChI	InChI=1S/C19H26O12S/c1-27-16(25)8-6-28-17(31-18-15(24)14(23)13(22)10(4-20)30-18)11-7(3-9(21)12(8)11)5-29-19(26)32-2/h3,6,9-15,17-18,20-24H,4-5H2,1-2H3/t9-,10+,11+,12-,13+,14-,15+,17-,18-/m0/s1
InChI Key	JNDNZIPLDLTLQK-DILZHRMZSA-N
Canonical SMILES	COC(=O)C1=CC(C2C1C(C=C2COC(=O)SC)O)OC3C(C(C(C(O3)CO)O)O)O
Isomeric SMILES	COC(=O)C1=CC([C@H]1)[C@H]2[C@@H]1[C@H](C=C2COC(=O)SC)O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O
Source	<i>Paederia scandense</i>
Form	Yellow powder
Purity	>98%, determined by HPLC.
Solubility	It is soluble in methanol.
Identity	Confirmed by NMR and MS.



Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Paederosidic acid methyl ester can be used for antinociception activity experiments, <i>etc.</i>
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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