

Product Information

Asperuloside

Cat. No.: X23-04-XQ168

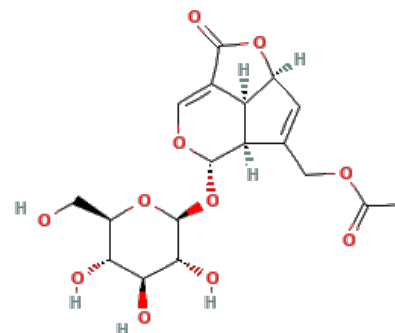
Size: 20 mg; 50 mg; 100 mg; 200 mg

CAS Number: 14259-45-1

Compound CID: 84298

Synonym: 14259-45-1; Asperuloside; Asperulosid; Ubichloric acid

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



Product Information

Description	Asperuloside is an iridoid glycoside that has diverse biological activities, including anti-angiogenic, anti-inflammatory, and anti-obesity properties.
Molecular Weight	414.363
Molecular Formula	C ₁₈ H ₂₂ O ₁₁
IUPAC Name	[(4S,7S,8S,11S)-2-Oxo-8-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-3,9-dioxatricyclo[5.3.1.0 ^{4,11}]undeca-1(10),5-dien-6-yl]methyl acetate
InChI	InChI=1S/C18H22O11/c1-6(20)25-4-7-2-9-12-8(16(24)27-9)5-26-17(11(7)12)29-18-15(23)14(22)13(21)10(3-19)28-18/h2,5,9-15,17-19,21-23H,3-4H2,1H3/t9-,10+,11+,12-,13+,14-,15+,17-,18-/m0/s1
InChI Key	IBIPGYWNOBGEMH-DILZHRMZSA-N
Canonical SMILES	CC(=O)OCC1=CC2C3C1C(OC=C3C(=O)O ₂)OC4C(C(C(C(O ₄)CO)O)O)O
Isomeric SMILES	CC(=O)OCC1=C[C@H]2[C@H]3[C@@H]1[C@@H](OC=C3C(=O)O ₂)O[C@H]4[C@@H]([C@H]([C@@H]([C@H](O ₄)CO)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	Asperuloside can be used for anti-angiogenic, anti-inflammatory, and anti-obesity property experiments, etc.
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
