

Product Information

Astilbin

Cat. No.: X23-04-XQ423

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

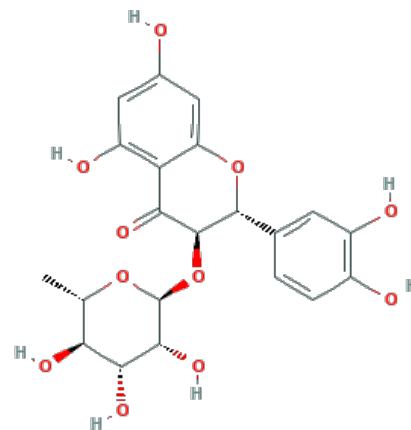
MDL: MFCD20274680

CAS Number: 29838-67-3

Compound CID: 119258

Synonym: 29838-67-3; Astilbin; Isoastilbin; Taxifolin 3-O-rhamnoside; Neoisoastilbin; Taxifolin 3-rhamnoside; Dihydroquercitrin; Dihydroquercetin 3-rhamnoside

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



Product Information

Description	Astilbin, as a compound of flavonoids, exerts anti-inflammation, antioxidation, and immune-suppression activities.
Molecular Weight	450.39
Molecular Formula	C ₂₁ H ₂₂ O ₁₁
IUPAC Name	(2R,3R)-2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-3-[(2S,3R,4R,5R,6S)-3,4,5-trihydroxy-6-methyloxan-2-yl]oxy-2,3-dihydrochromen-4-one
InChI	InChI=1S/C21H22O11/c1-7-15(26)17(28)18(29)21(30-7)32-20-16(27)14-12(25)5-9(22)6-13(14)31-19(20)8-2-3-10(23)11(24)4-8/h2-7,15,17-26,28-29H,1H3/t7-,15-,17+,18+,19+,20-,21-/m0/s1
InChI Key	ZROGCCBNZBKLEL-MPRHSVQHSA-N
Canonical SMILES	CC1C(C(C(C(O1)OC2C(OC3=CC(=CC(=C3C2=O)O)O)C4=CC(=C(C=C4)O)O)O)O)O
Isomeric SMILES	C[C@@H]1[C@@@H]([C@H]([C@H]([C@@H](O1)O)[C@@H]2[C@H](OC3=CC(=CC(=C3C2=O)O)O)C4=CC(=C(C=C4)O)O)O)O
Source	<i>Astilbe chinensis</i>
Form	Colorless crystal
Purity	>98%, determined by HPLC.
Solubility	It is easily soluble in boiling water and almost insoluble in ether.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	180°C
Applications	Astilbin can be used for anti-inflammation, antioxidation, and immune-suppression



activity experiments, *etc.*

Storage

Store at 4°C. Protect from light.

Safety Information

**Personal Protective
Equipment**

Gloves, eyeshields, N95 mask
