CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Morroniside

Cat. No.: X23-04-XQ374

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

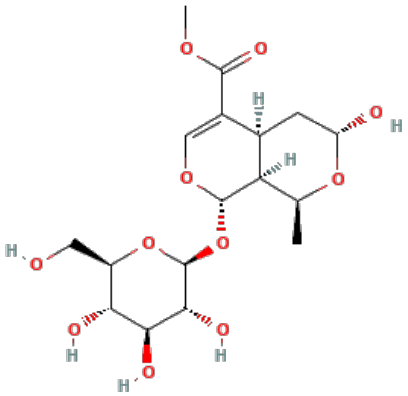
MDL: MFCD00210532

CAS Number: 25406-64-8

Compound CID: 11228693

Synonym: 25406-64-8; Morroniside

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



Product Information

Description	Morroniside, an iridoid glycoside, has therapeutic effects on diabetic angiopathies, renal damage, lipid metabolism and inflammation, and bone resorption.
Molecular Weight	406.15
Molecular Formula	$C_{17}H_{26}O_{11}$
IUPAC Name	Methyl (1*S*,3*R*,4a*S*,8*S*,8a*S*)-3-hydroxy-1-methyl-8-[(2*S*,3*R*,4*S*,5*S*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-1,3,4,4a,8,8a-hexahydropyrano[3,4-c]pyran-5-carboxylate
InChI	InChI=1S/C17H26O11/c1-6-11-7(3-10(19)26-6)8(15(23)24-2)5-25-16(11)28-17-14(22)13(21)12(20)9(4-18)27-17/h5-7,9-14,16-22H,3-4H2,1-2H3/t6-,7+,9+,10+,11+,12+,13-,14+,16-,17-/m0/s1
InChI Key	YTZSBJLNMIQROD-SFBCHFHNSA-N
Canonical SMILES	CC1C2C(CC(O1)O)C(=COC2OC3C(C(C(C(O_3)CO)O)O)O)C(=O)OC
Isomeric SMILES	C[C@H]1[C@@H]2[C@H](C[C@@H](O1)O)C(=CO[C@H]2O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O_3)CO)O)O)O)C(=O)OC
Source	Dry and ripe flesh of *Cornus officinalis Sieb. et Zucc.*
Form	White crystal 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	Morroniside can be used for neuroprotective effect by inhibiting neuron apoptosis and MMP2/9 expression, *etc.*

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Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask

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