



Isoliquiritin apioside

Cat. No.:	OB0225WX-2049
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

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

Product Overview

Description	Isoliquiritin apioside is a flavonoid glycoside from <i>Glycyrrhizae radix</i> that reduces PMA-induced MMP9 activity and suppresses the activation of both NF-κB and MAPK.
Synonym	120926-46-7; Neolicuroside; (E)-3-[4-[(2S,3R,4S,5S,6R)-3-[(2S,3R,4R)-3,4-dihydroxy-4-(hydroxymethyl)oxolan-2-yl]oxy-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]-1-(2,4-dihydroxyphenyl)prop-2-en-1-one; (E)-3-(4-(((2S,3R,4S,5S,6R)-3-(((2S,3R,4R)-3,4-Dihydroxy-4-(hydroxymethyl)tetrahydrofuran-2-yl)oxy)-4,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)phenyl)-1-(2,4-dihydroxyphenyl)prop-2-en-1-one; MFCD20487832
CAS No.	120926-46-7
Compound CID	6442433
Formula	C ₂₆ H ₃₀ O ₁₃
Formula Weight	550.51

Specification

Relative Density	1.63 g/cm ³
IUPAC Name	(E)-3-[4-[(2S,3R,4S,5S,6R)-3-[(2S,3R,4R)-3,4-Dihydroxy-4-(hydroxymethyl)oxolan-2-yl]oxy-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]-1-(2,4-dihydroxyphenyl)prop-2-en-1-one



InChI	InChI=1S/C26H30O13/c27-10-19-20(32)21(33)22(39-25-23(34)26(35,11-28)12-36-25)24(38-19)37-15-5-1-13(2-6-15)3-8-17(30)16-7-4-14(29)9-18(16)31/h1-9,19-25,27-29,31-35H,10-12H2/b8-3+/t19-,20-,21+,22-,23+,24-,25+,26-/m1/s1
InChI Key	VMMVZVPAYFZNBM-KVFWHIKSA-N
SMILES string	<chem>C1[C@@]([C@H]([C@@H](O1)O[C@@H]2[C@H]([C@@H]([C@H](O[C@H]2OC3=CC=C(C=C3)/C=C/C(=O)C4=C(C=C(C=C4)O)O)CO)O)O)(CO)O</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Isoliquiritin apioside is utilized in traditional medicine research to examine its antioxidant capacity and its ability to modulate the production of inflammatory cytokines in immune cells.

Library Information

Target	NF-κB; MMP; p38 MAPK
Receptor	NF-κB; MMP; p38 MAPK
Pathways	Proteases/Proteasome; NF-κB; MAPK
Plate Number	AOCL-27
Plate Location	c2
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	2mM DMSO
DMSO Max Solubility	5.5 mg/mL; 10 mM