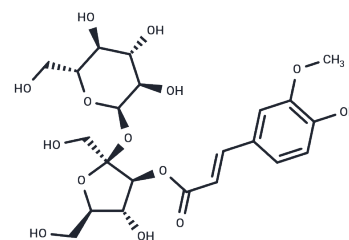


Sibiricose A5

Chemical Properties

CAS No. :	107912-97-0
Formula:	C ₂₂ H ₃₀ O ₁₄
Molecular Weight:	518.47
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sibiricose A5 is a lactate dehydrogenase inhibitor, it displays antidepressant-like, and antioxidant actions. Sibiricose A5 can protect PC12 cells damage induced by <i>P. tenuifolia</i> .
Targets(IC ₅₀)	Dehydrogenase
In vitro	Sibiricose A5 could protect PC12 cells damage induced by <i>P. tenuifolia</i> [1].

Solubility Information

Solubility	DMSO: 100 mg/mL (192.87 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9288 mL	9.6438 mL	19.2875 mL
5 mM	0.3858 mL	1.9288 mL	3.8575 mL
10 mM	0.1929 mL	0.9644 mL	1.9288 mL
50 mM	0.0386 mL	0.1929 mL	0.3858 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Tu H H , Liu P , Mu L , et al. [Study on antidepressant components of sucrose ester from *Polygala tenuifolia*][J]. China Journal of Chinese Materia Medica, 2008, 33(11):1278.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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