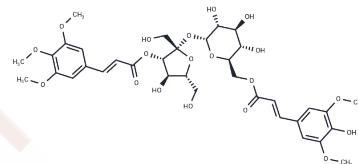


Tenuifoliside C

Chemical Properties

CAS No. : 139726-37-7
 Formula: C₃₅H₄₄O₁₉
 Molecular Weight: 768.71
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Tenuifoliside C, isolated from <i>Polygala tenuifolia</i> Willd, is a targeted lactate dehydrogenase inhibitor that significantly inhibits chlorzoxazone 6-hydroxylation catalyzed by CYP2E1[1].
Targets(IC ₅₀)	Dehydrogenase

Solubility Information

Solubility	DMSO: 11 mg/mL (14.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3009 mL	6.5044 mL	13.0088 mL
5 mM	0.2602 mL	1.3009 mL	2.6018 mL
10 mM	0.1301 mL	0.6504 mL	1.3009 mL
50 mM	0.026 mL	0.1301 mL	0.2602 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

Li ZL, et al. Effect of oligosaccharide esters and polygalaxanthone III from *Polygala tenuifolia* willd towards cytochrome P450. *Zhongguo Zhong Yao Za Zhi*. 2014 Nov;39(22):4459-63.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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