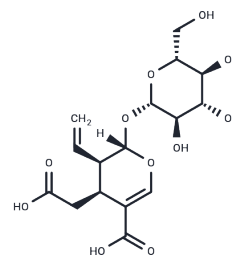


Secologanoside

Chemical Properties

CAS No. : 59472-23-0
 Formula: C₁₆H₂₂O₁₁
 Molecular Weight: 390.34
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Secologanoside shows anti-complementary, allelopathic, and anti-elastase activities.
Targets(IC50)	Serine Protease
In vitro	Eleven compounds were isolated from Poraqueiba sericea stems and identified as niga-ichigoside-F1 (1), trachelosperoside B1 (2), 4-epi-niga-ichigoside (7), 19 α -hydroxyasiatic acid (3), myrianthic acid (4), hyptatic acid (5), trachelosperogenin B (6), arjunolic acid (8), and trachelosperogenin E (9), Secologanoside (10) and secoxyloganin (11). Compounds 1-11 were tested for their antileishmanial activities against Leishmania infantum promastigotes, 1-6 and 8-11 were tested for their cytotoxic activities on fibroblasts, 1-3, 5-6, 8-11 were evaluated for their anti-elastase and anti-acetylcholinesterase assays activities by a spectrophotometric method and 1-2, 5 and 7-10 were tested using bioautography for their β -glucosidase[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (128.09 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	2.5619 mL	12.8093 mL	25.6187 mL
5 mM	0.5124 mL	2.5619 mL	5.1237 mL
10 mM	0.2562 mL	1.2809 mL	2.5619 mL
50 mM	0.0512 mL	0.2562 mL	0.5124 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Biological activities of triterpenoids from *Poraqueiba sericea* stems. *Nat Prod Res.* 2017 Jun;31(11):1333-1338.

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