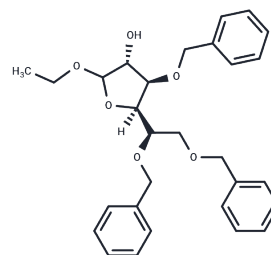


Tribenoside

Chemical Properties

CAS No. :	10310-32-4
Formula:	C ₂₉ H ₃₄ O ₆
Molecular Weight:	478.58
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tribenoside (BG-356) is a vasoprotectant with mild anti-inflammatory, analgesic, and wound healing properties.
Targets(IC50)	Others
In vitro	Administration of 1 nM-100 μM Tribenoside exhibits cytotoxic effect(EC ₅₀ = 13.74 μM) in HeLa cells[2].
In vivo	Oral administration in doses of 500 and 1,200 mg/kg Tribenoside weekly significantly decreases in the development of osteoporosis in male mice[3].

Solubility Information

Solubility	DMSO: 30 mg/ml(52.24 mM) Ethanol: 30 mg/ml(52.24 mM) DMF: 25 mg/ml(52.24 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0895 mL	10.4476 mL	20.8951 mL
5 mM	0.4179 mL	2.0895 mL	4.179 mL
10 mM	0.209 mL	1.0448 mL	2.0895 mL
50 mM	0.0418 mL	0.209 mL	0.4179 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

Kikkawa Y, Takaki S, Matsuda Y, Okabe K, Taniguchi M, Oomachi K, Samejima T, Katagiri F, Hozumi K, Nomizu M. The influence of Tribenoside on expression and deposition of epidermal laminins in HaCaT cells. Biol Pharm Bull.