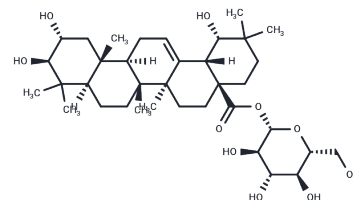


Arjunetin

Chemical Properties

CAS No. :	31297-79-7
Formula:	C ₃₆ H ₅₈ O ₁₀
Molecular Weight:	650.84
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Arjunetin, an insect feeding-deterrent and growth inhibitor, shows antioxidant and anti-inflammatory activities.
Targets(IC50)	Others
In vitro	Crude ethanolic extract of the stem bark of Terminalia arjuna (Combretaceae) and its three compounds namely arjunic acid, arjungenin and Arjunetin were evaluated for antifeedant, growth inhibitory and oviposition-deterrent activities against a lepidopterous insect Spilarctia obliqua. The compound Arjunetin showed highest growth inhibitory and feeding-deterrent properties with a growth inhibition (GI(50)) and feeding-inhibition (FD(50)) of 188.5 and 287.1 micro g/g diet respectively[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5365 mL	7.6824 mL	15.3648 mL
5 mM	0.3073 mL	1.5365 mL	3.073 mL
10 mM	0.1536 mL	0.7682 mL	1.5365 mL
50 mM	0.0307 mL	0.1536 mL	0.3073 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

Arjunetin from Terminalia arjuna as an insect feeding-deterrent and growth inhibitor. Phytother Res. 2004 Feb;18 (2):131-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481