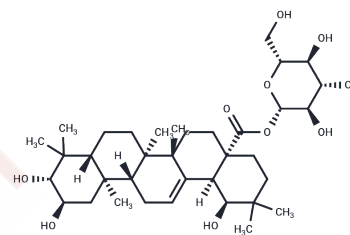


## Arjunetin

## Chemical Properties

CAS No. :	31297-79-7
Formula:	C <sub>36</sub> H <sub>58</sub> O <sub>10</sub>
Molecular Weight:	650.84
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Arjunetin, a natural product isolated from Terminalia arjuna, exhibits binding affinity for SARS-CoV-2 and demonstrates potential antiviral activity.
Targets(IC50)	SARS-CoV
In vitro	Arjunetin exhibits growth inhibitory and antifeedant activities, with a GI <sub>50</sub> of 188.5 µg/g diet and an FD <sub>50</sub> of 287.1 µg/g diet. Structure-activity relationship (SAR) studies have demonstrated that the glycosidic linkage in arjunetin plays a crucial role in exerting its biological activities [1].

## Solubility Information

Solubility	Methanol: 40 mg/mL (61.46 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	1.5365 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.

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

Singh DV, et al. Arjunetin from Terminalia arjuna as an insect feeding-deterrent and growth inhibitor. *Phytother Res.* 2004;18(2):131-134.

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