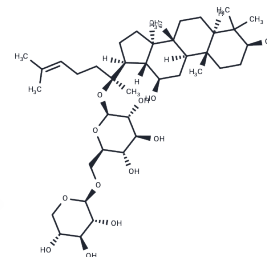


## Gypenoside XIII

## Chemical Properties

CAS No. :	80325-22-0
Formula:	C <sub>41</sub> H <sub>70</sub> O <sub>12</sub>
Molecular Weight:	754.99
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	Gypenoside XIII is a Gynostemma pentaphyllum-derived gypenoside that exhibits pharmacological actions consistent with its structural class, including anti-Alzheimer's disease, anticancer, and anti-atherogenic activities, supporting its emerging significance as a multifunctional natural compound with broad therapeutic potential for neurodegenerative and systemic disorders.
Targets(IC50)	Others

## Solubility Information

Solubility	Ethanol: 40 mg/mL (52.98 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	1.3245 mL	6.6226 mL	13.2452 mL
5 mM	0.2649 mL	1.3245 mL	2.649 mL
10 mM	0.1325 mL	0.6623 mL	1.3245 mL
50 mM	0.0265 mL	0.1325 mL	0.2649 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

Yang K, et al. Gypenoside XVII Prevents Atherosclerosis by Attenuating Endothelial Apoptosis and Oxidative Stress: Insight into the ER $\alpha$ -Mediated PI3K/Akt Pathway. Int J Mol Sci. 2017 Feb 9;18(2).

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