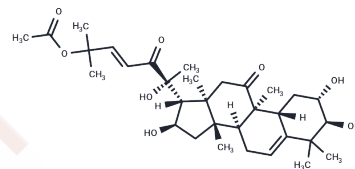


Cucurbitacin Q1

Chemical Properties

CAS No. :	99530-82-2
Formula:	C ₃₂ H ₄₈ O ₈
Molecular Weight:	560.72
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	Cucurbitacin Q1 is identified as the fruit of Cucumis prophetarum and has been shown to be the pure trans component of cucurbitacin Q.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 65 mg/mL (115.92 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	1.7834 mL	8.9171 mL	17.8342 mL
5 mM	0.3567 mL	1.7834 mL	3.5668 mL
10 mM	0.1783 mL	0.8917 mL	1.7834 mL
50 mM	0.0357 mL	0.1783 mL	0.3567 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

Afifi MS, et, al. Cucurbitacins of Cucumis prophetarum and Cucumis prophetarum. J Chem Ecol 25, 847-859 (1999).

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