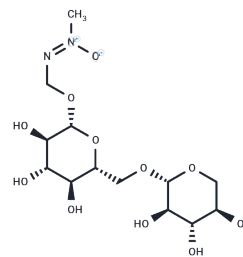


Macrozamin

Chemical Properties

CAS No. :	6327-93-1
Formula:	C ₁₃ H ₂₄ N ₂ O ₁₁
Molecular Weight:	384.34
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	Macrozamin has carcinogenic, mutagenic, teratogenic and neurotoxic properties. Macrozamin is a natural product isolated from Cycads.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (65.05 mM),Sonication is recommended. H ₂ O: 100 mg/mL (260.19 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	2.6019 mL	13.0093 mL	26.0186 mL
5 mM	0.5204 mL	2.6019 mL	5.2037 mL
10 mM	0.2602 mL	1.3009 mL	2.6019 mL
50 mM	0.052 mL	0.2602 mL	0.5204 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

Jerald J.Nair, et al. Isolation and quantification of the toxic methylazoxymethanol glycoside macrozamin in selected South African cycad species. South African Journal of Botany,Volume 82, September 2012, Pages 108-112.

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