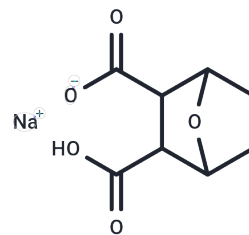


Sodium Demethylcantharidate

Chemical Properties

CAS No. :	13114-29-9
Formula:	C ₈ H ₉ O ₅ .Na
Molecular Weight:	208.14
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	Sodium Demethylcantharidate (Sodium norcantharidin) is extracted from Mylabris phqlarata pallas and has potent antitumor activity.
Targets(IC50)	Apoptosis,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Insoluble H ₂ O: 40 mg/mL (192.18 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	4.8045 mL	24.0223 mL	48.0446 mL
5 mM	0.9609 mL	4.8045 mL	9.6089 mL
10 mM	0.4804 mL	2.4022 mL	4.8045 mL
50 mM	0.0961 mL	0.4804 mL	0.9609 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

To KK, et al. In vitro and in vivo suppression of growth of hepatocellular carcinoma cells by novel traditional Chinese medicine-platinum anti-cancer agents. *Anticancer Drugs*. 2005 Sep;16(8):825-35.

Ye M, Zhu X, Yan R, et al. Sodium demethylcantharidate induces apoptosis in hepatocellular carcinoma cells via ER stress. *Am J Transl Res*. 2019, 11(5): 3150-3158

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