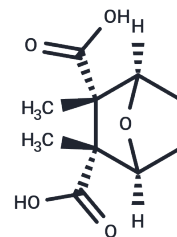


Cantharidic acid

Chemical Properties

CAS No. : 28874-45-5
 Formula: C₁₀H₁₄O₅
 Molecular Weight: 214.22
 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	Cantharidic acid is a selective inhibitor of protein phosphatase 2 (PP2A) and protein phosphatase 1 (PP1). It impedes cell viability by upregulating the ERK1/2, p38, and JNK1/2 pathways, causes cell cycle arrest at the sub-G1 phase, and induces apoptosis in NPC-39 and HONE-1 cells.
Targets(IC50)	Apoptosis,ERK,JNK,p38 MAPK,Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6681 mL	23.3405 mL	46.681 mL
5 mM	0.9336 mL	4.6681 mL	9.3362 mL
10 mM	0.4668 mL	2.334 mL	4.6681 mL
50 mM	0.0934 mL	0.4668 mL	0.9336 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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