Data Sheet (Cat.No.T32291)

TargetMol

Jineol

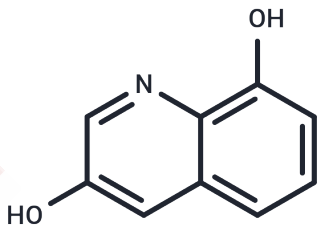
Chemical Properties

CAS No. : 178762-28-2

Formula: C9H7NO2

Molecular Weight: 161.16

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	Jineol (NSC-694081) is a quinoline alkaloid from Scolopendra subspinipes. Jineol shows cytotoxic activity against the growth of human tumor cell lines in vitro.
Targets(IC50)	Others,Antibacterial,Tyrosinase

Solubility Information

Solubility	DMSO: 121.25 mg/mL (752.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.205 mL	31.0251 mL	62.0501 mL
5 mM	1.241 mL	6.205 mL	12.410 mL
10 mM	0.6205 mL	3.1025 mL	6.205 mL
50 mM	0.1241 mL	0.6205 mL	1.241 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

Bajpai VK, et al. Antibacterial Action of Jineol Isolated from Scolopendra subspinipes mutilans against Selected Foodborne Pathogens. Front Microbiol. 2017 Mar 28;8:552.
Alam MB, et al. Inhibition of melanogenesis by jineol from Scolopendra subspinipes mutilans via MAP-Kinase mediated MITF downregulation and the proteasomal degradation of tyrosinase. Sci Rep. 2017 Apr 10;7:45858.
Surk-Sik Moon, et al. Jineol, a Cytotoxic Alkaloid from the Centipede Scolopendra subspinipes.

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