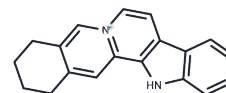


Sempervirine nitrate

Chemical Properties

CAS No. :	17994-15-9
Formula:	C19H17N3O3
Molecular Weight:	335.36
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	Sempervirine nitrate is an alkaloid extracted from <i>Gelsemium elegans</i> Benth., inhibiting HCC tumor growth and enhancing sorafenib's antitumor effects in vivo. It inhibits HCC proliferation and induces apoptosis by modulating the Wnt/ β -catenin pathway.
Targets(IC50)	Wnt/beta-catenin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9819 mL	14.9094 mL	29.8187 mL
5 mM	0.5964 mL	2.9819 mL	5.9637 mL
10 mM	0.2982 mL	1.4909 mL	2.9819 mL
50 mM	0.0596 mL	0.2982 mL	0.5964 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

Yue R, et al. Sempervirine Inhibits Proliferation and Promotes Apoptosis by Regulating Wnt/ β -Catenin Pathway in Human Hepatocellular Carcinoma. *Front Pharmacol.* 2021 Dec 7;12:806091.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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