

Nitidine chloride

Chemical Properties

CAS No. : 13063-04-2

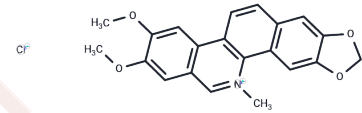
Formula: C₂₁H₁₈ClNO₄

Molecular Weight: 383.82

Storage: Keep away from direct sunlight, Keep away from moisture

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	1. Nitidine chloride has inhibitory effects on various tumors, such as renal cancer , breast cancer. 2. Nitidine chloride inhibits the proliferation of SMMC-7721 cells in vitro in a time- and dose-dependent manner and identifies efficacy in vivo in a mouse model of HCC.
Targets(IC50)	Apoptosis,ERK,FAK,NF-κB,STAT,Parasite,p38 MAPK,Topoisomerase

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 2.5 mg/mL (6.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6054 mL	13.0269 mL	26.0539 mL
5 mM	0.5211 mL	2.6054 mL	5.2108 mL
10 mM	0.2605 mL	1.3027 mL	2.6054 mL
50 mM	0.0521 mL	0.2605 mL	0.5211 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

Wang Z , Jiang W , Zhang Z , et al. Nitidine chloride inhibits LPS-induced inflammatory cytokines production via MAPK and NF-kappaB pathway in RAW 264.7 cells[J]. Journal of ethnopharmacology, 2012, 144(1).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481