

DG 381B

Chemical Properties

CAS No. : 564-16-9

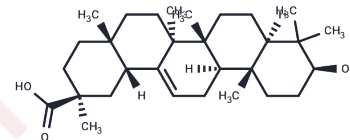
Formula: C₃₀H₄₈O₃

Molecular Weight: 456.7

Keep away from moisture

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	DG 381B (11-Deoxyglycyrrhetic acid) has anti-inflammatory and potential anticancer activities, significantly inhibiting gastric cancer cell viability in a dose- and time-dependent manner. It induces apoptosis and G2 cell cycle arrest by upregulating p21 and downregulating cdc2 and cyclin B1 in gastric cancer cells.
Targets(IC50)	Dehydrogenase
In vitro	DG 381B induced apoptosis and G2 phase cell cycle arrest by up-regulating p21 and down-regulating cdc2 and cyclin B1, and significantly inhibited the viability of gastric cancer cells in a dose - and time-dependent manner. [1]
In vivo	DG 381B can effectively inhibit the tumor formation of gastric cancer cells in nude mice. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1896 mL	10.9481 mL	21.8962 mL
5 mM	0.4379 mL	2.1896 mL	4.3792 mL
10 mM	0.219 mL	1.0948 mL	2.1896 mL
50 mM	0.0438 mL	0.219 mL	0.4379 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

Lin D, et al. Involvement of BID translocation in glycyrrhetic acid and 11-deoxy glycyrrhetic acid-induced attenuation of gastric cancer growth. Nutr Cancer. 2014;66(3):463-73.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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