

c-Fos-IN-1

Chemical Properties

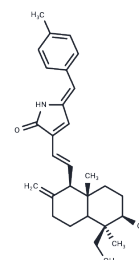
CAS No. :

Formula: C₂₈H₃₅N₃O₃

Molecular Weight: 433.582

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	c-Fos-IN-1 (Compound P16) acts as a c-Jun inhibitor, effectively reducing the mRNA and protein levels of c-Fos. It also inhibits the phosphorylation activity of ERK and the transcriptional activity of AP-1. This compound demonstrates anticancer properties through the inhibition of the ERK/c-Fos/Jun pathway. c-Fos-IN-1 curbs the proliferation and migration of gastric cancer cells, with an IC ₅₀ of 2.31 μM for MGC-803 cells, causing cell cycle arrest at the G2/M phase and inducing apoptosis in cancer cells. Additionally, c-Fos-IN-1 hampers the growth of gastric cancer tumors.
Targets(IC ₅₀)	Apoptosis,ERK,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3064 mL	11.5319 mL	23.0638 mL
5 mM	0.4613 mL	2.3064 mL	4.6128 mL
10 mM	0.2306 mL	1.1532 mL	2.3064 mL
50 mM	0.0461 mL	0.2306 mL	0.4613 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

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

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