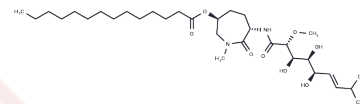


Bengamide B

Chemical Properties

CAS No. :	104947-69-5
Formula:	C32H58N2O8
Molecular Weight:	598.81
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	Potent inhibitor of NF- κ B activation (IC ₅₀ = 85 nM); decreases I κ B α phosphorylation. Attenuates LPS-induced nitric oxide production and expression of TNF- α , IL-6 and MCP. Suppresses proliferation of HeLa and HCT116 cells. Anti-inflammatory and antitumor.
Targets(IC ₅₀)	Others,NF- κ B,Interleukin

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.670 mL	8.3499 mL	16.6998 mL
5 mM	0.334 mL	1.670 mL	3.340 mL
10 mM	0.167 mL	0.835 mL	1.670 mL
50 mM	0.0334 mL	0.167 mL	0.334 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

Hu et al (2007) Regulation of c-Src nonreceptor tyrosine kinase activity by bengamide A through inhibition of methionine aminopeptidases. Chem.Biol. 14 764 PMID:17656313

Johnson et al (2012) Myxobacteria versus sponge-derived alkaloids: the bengamide family identified as potent immune modulating agents by scrutiny of LC-MS/ELSD libraries. Bioorg.Med.Chem. 20 4348 PMID:22705020

Kinder et al (2001) Synthesis and antitumor activity of ester-modified analogues of bengamide B. J.Med.Chem. 44 3692 PMID:11606134

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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