

Z-DQMD-FMK

Chemical Properties

CAS No. : 767287-99-0

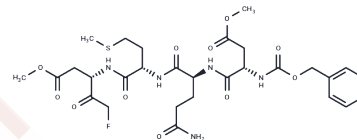
Formula: C₂₉H₄₀FN₅O₁₁S

Molecular Weight: 685.72

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	Caspase-3 inhibitor. Inhibits MG 132-induced small cell lung cancer cell death in vitro.
Targets(IC50)	Apoptosis,Caspase

Solubility Information

Solubility	DMSO: 13.71 mg/mL (19.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4583 mL	7.2916 mL	14.5832 mL
5 mM	0.2917 mL	1.4583 mL	2.9166 mL
10 mM	0.1458 mL	0.7292 mL	1.4583 mL
50 mM	0.0292 mL	0.1458 mL	0.2917 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

- Izban et al (2001) Characterization of NF- κ B expression in Hodgkin's disease: inhibition of constitutively expressed NF- κ B results in spontaneous caspase-independent apoptosis in Hodgkin and Reed-Sternberg cells. Mod.Pathol. 14 297 PMID:
- Bang et al (2004) Differential response to MG132 cytotoxicity against small cell lung cancer cells to changes in cellular GSH contents. Biochem.Pharmacol. 68 659 PMID:
- Chou et al (2004) Alterations in protein kinase C activity and processing during zinc deficiency-induced cell death. Biochem.J. 383 63 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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