

PUMA BH3

Chemical Properties

CAS No.:	TP1724
Formula:	C128H202N42O43S
Molecular Weight:	3049.3
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	PUMA BH3 is a p53 upregulated modulator of apoptosis (PUMA) BH3 domain peptide, acts as a direct activator of Bak, with a Kd of 26 nM. This is a PUMA BH3 domain peptide. PUMA proteins bind Bcl-2, localize to the mitochondria, and induce cytochrome C release and apoptosis in response to p53. PUMA may be a direct mediator of p53-induced apoptosis.
In vitro	PUMA BH3 is a p53 upregulated modulator of apoptosis (PUMA) BH3 domain peptide, acts as a direct activator of Bak, with a Kd of 26 nM. PUMA BH3 binds Bak in the canonical BH3-binding groove, and activates Bak[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.328 mL	1.64 mL	3.279 mL
5 mM	0.066 mL	0.328 mL	0.656 mL
10 mM	0.033 mL	0.164 mL	0.328 mL
50 mM	0.007 mL	0.033 mL	0.066 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Dai H, et al. Evaluation of the BH3-only protein Puma as a direct Bak activator. J Biol Chem. 2014 Jan 3;289(1):89-99.

Inhibitors · Natural Compounds · Compound Libraries

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