

## PUMA BH3

## Chemical Properties

CAS No. :

Formula: C128H202N42O43S

Molecular Weight: 3049.3

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	PUMA BH3 is a p53 upregulated modulator of apoptosis (PUMA) BH3 domain peptide that acts as a direct activator of Bak with a Kd of 26 nM. PUMA proteins bind Bcl-2, localize to the mitochondria, and induce cytochrome C release and apoptosis in response to p53, potentially mediating p53-induced apoptosis.
Targets(IC50)	Bcl-2 Family

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3279 mL	1.6397 mL	3.2794 mL
5 mM	0.0656 mL	0.3279 mL	0.6559 mL
10 mM	0.0328 mL	0.164 mL	0.3279 mL
50 mM	0.0066 mL	0.0328 mL	0.0656 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

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.

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