

PUMA BH3 (human) TFA

Chemical Properties

CAS No. :

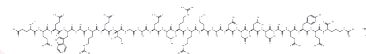
Formula: C128H202N42O43S.XCF3COOH

Molecular Weight: 3049.30

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, a peptide that includes the BH3 domain from the p53-upregulated modulator of apoptosis (PUMA) and activates the pro-apoptotic protein Bak, demonstrates binding affinity to Bak with dissociation constants (Kds) of 290 nM in HEPES buffer and 26 nM in CHAPS buffer. This interaction with Bak induces its homo-oligomerization and facilitates Bak-mediated membrane permeabilization.

Solubility Information

Solubility

PBS pH 7.2: 10 mg/mL (3.28 mM), Sonication is recommended.
DMF: 5 mg/mL (1.64 mM), Sonication is recommended.
DMSO: 10 mg/mL (3.28 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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