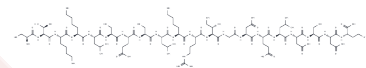


Bax BH3 peptide (55-74), wild type

Chemical Properties

CAS No. :	299946-20-6
Formula:	C93H163N27O34S2
Molecular Weight:	2267.6
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Bax BH3 peptide (55-74), wild type is a 20-amino acid peptide (Bax 1) known for its apoptosis-inducing capability in various cell line models.
Targets(IC50)	Apoptosis
In vitro	In addition to interfering with Bax/Bcl-2 and Bax/Bcl-XL interactions, the wild type Bax BH3 peptide (55-74) facilitates the release of cytochrome c from isolated mitochondria. As a member of the Bcl-2 protein family, which includes both pro-apoptotic and anti-apoptotic proteins, Bax BH3 plays a crucial role in regulating apoptosis by controlling the 'intrinsic' cell death pathway[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.441 mL	2.205 mL	4.4099 mL
5 mM	0.0882 mL	0.441 mL	0.882 mL
10 mM	0.0441 mL	0.2205 mL	0.441 mL
50 mM	0.0088 mL	0.0441 mL	0.0882 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

Peter E Czabotar, et al. Mutation to Bax beyond the BH3 domain disrupts interactions with pro-survival proteins and promotes apoptosis. J Biol Chem. 2011 Mar 4;286(9):7123-31.

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