

Bid BH3 (80-99)

Chemical Properties

CAS No. : 505070-05-3

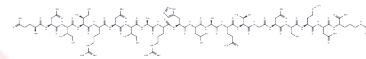
Formula: C95H161N33O32S

Molecular Weight: 2309.56

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	Bid BH3 (80-99) is a biologically active peptide and a pro-apoptotic member of the 'BH3-only' (BOPS) subset within the BCL-2 protein family, crucial in apoptosis regulation. It interacts with Bcl-2, Bax, and Bak to initiate their activation or inactivation, inducing cell death. Bid translocates from the cytosol to the mitochondrial membrane as part of its mechanism. Pyroglutamyl (pGlu) peptides, which can arise from Glutamine (Q) or Glutamic acid (E) at the N-terminus, have a hydrophobic γ -lactam ring that enhances stability and provides resistance to gastrointestinal proteases. These peptides are recognized variants in peptide analyses, including HPLC purity assessments.
Targets(IC50)	Bcl-2 Family

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.433 mL	2.1649 mL	4.3298 mL
5 mM	0.0866 mL	0.433 mL	0.866 mL
10 mM	0.0433 mL	0.2165 mL	0.433 mL
50 mM	0.0087 mL	0.0433 mL	0.0866 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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