

Bid BH3 (80-99) acetate

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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) (acetate) is a biologically active peptide. As a pro-apoptotic member of the BCL-2 protein family's "only BH3" (BOPS) subset, BID plays a crucial role in the regulation of apoptosis. It is reported that Bid is the first BOP to bind and activate Bcl-2, Bax, and Bak. Acting as a death-inducing ligand, Bid moves from the cytosol to the mitochondrial membrane to deactivate Bcl-2 or activate Bax. When glutamine (Q) or glutamic acid (E) is located at the sequence's N-terminus, they naturally convert to pGlu. The hydrophobic $\gamma$ -lactam ring of pGlu is thought to enhance peptide stability against gastrointestinal proteases. Consequently, pyroglutamyl peptides are considered a regular subset of such peptides and are included as part of peptide purity in HPLC analysis.
Targets(IC50)	Bcl-2 Family

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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