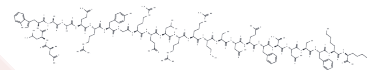


BAD (103-127) (human)

Chemical Properties

CAS No. :	331762-68-6
Formula:	C137H212N42O39S
Molecular Weight:	3103.52
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	BAD (103-127) (human) is a 25-mer peptide obtained from the BH3 domain of BAD. It effectively counteracts the activity of Bcl-xL. Notably, BAD (103-127) (human) exhibits an approximately 800-fold greater binding affinity for Bcl-xL compared to the 16-mer peptide.
Targets(IC50)	Bcl-2 Family

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3222 mL	1.6111 mL	3.2221 mL
5 mM	0.0644 mL	0.3222 mL	0.6444 mL
10 mM	0.0322 mL	0.1611 mL	0.3222 mL
50 mM	0.0064 mL	0.0322 mL	0.0644 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

Dilraj Lama, et al. Molecular dynamics simulations of pro-apoptotic BH3 peptide helices in aqueous medium: relationship between helix stability and their binding affinities to the anti-apoptotic protein Bcl-X(L). J Comput Aided Mol Des. 2011 May;25(5):413-26.

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