Product Data Sheet

Product Name: Dynamin inhibitory peptide, myristoylated
Cat. No.: GC50020

Chemical Properties

Cas. No.	251634-22-7		
SMILES	[H]N([C@@H](CCC(N)=O)C(=O)N[C@@H](C(C)C)C(=O)N1CCC[C@H]1C(=O)N[C@@H](CO)C(=O)N[C@@H](CCCNC(N)=N)C(=O)N1CCC[C@H]1C(=O)N[C@@H](CC(N)=O)C(=O)N[C@@H](CCCNC(N)=N)C(=O)N[C@@H](C)C(=O)N1CCC[C@H]1C(N)=O)C(=O)CCCCCCCCCCCCC		
Formula	$C_{61}H_{107}N_{19}O_{14}$	M.Wt	1330.64
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Cell-permeable version of dynamin inhibitory peptide, an inhibitor of the GTPase dynamin that competitively blocks binding of dynamin to amphiphysin, preventing endocytosis. Reduces NMDA receptor internalization. Control Peptide also available.

Grabs et al (1997) The SH3 domain of amphiphysin binds the proline-rich domain of dynamin at a single site that defines a new SH3 binding consensus sequence. J.Biol.Chem. 272 13419 PMID:9148966 |Kittler et al (2000) Constitutive endocytosis of GABAA receptors by an association with the adaptin AP2 complex modulates inhibitory synaptic currents in hippocampal neurons. J.Neurosci. 20 7972 PMID:11050117 |Nong et al (2003) Glycine binding primes NMDA receptor internalization. Nature 422 302 PMID:12646920

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