Data Sheet (Cat.No.TP2039)

TargetMol

Dynamin inhibitory peptide, myristoylated (control)

Chemical Properties

CAS No. :

Formula: C61H107N19O14

Molecular Weight: 1330.64

Storage: Keep away from moisture
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	Control peptide version of dynamin inhibitory peptide, myristoylated, an inhibitor of the GTPase dynamin that competitively blocks binding of dynamin to amphiphysin, preventing endocytosis. In contrast to dynamin inhibitory peptide, has no significant effect on GABAA receptor-mediated miniature IPSPs.

Solubility Information

Solubility	30% acetonitrile / water: 0.67 mg/mL (0.5 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7515 mL	3.7576 mL	7.5152 mL
5 mM	0.1503 mL	0.7515 mL	1.503 mL
10 mM	0.0752 mL	0.3758 mL	0.7515 mL
50 mM	0.015 mL	0.0752 mL	0.1503 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

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:

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:

Nong et al (2003) Glycine binding primes NMDA receptor internalization. Nature 422 302 PMID:

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