

Data Sheet (Cat.No.TP1907)

Dynamin inhibitory peptide, myristoylated

Chemical Properties

CAS No.:	251634-22-7
Formula:	C ₆₁ H ₁₀₇ N ₁₉ O ₁₄
Molecular Weight:	1330.64
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	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.
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Solubility Information

Solubility	water: 1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.752 mL	3.758 mL	7.515 mL
5 mM	0.15 mL	0.752 mL	1.503 mL
10 mM	0.075 mL	0.376 mL	0.752 mL
50 mM	0.015 mL	0.075 mL	0.15 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

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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