

Product Data Sheet

Product Name: Dynamin inhibitory peptide, myristoylated (control)

Cat. No.: GC50021

Chemical Properties

Cas. No.

SMILES
[H]N([C@@H](CCC(N)=O)C(=O)N1CCC[C@H]1C(=O)N1CCC[C@H]1C(=O)N[C@@H](C)C(=O)N[C@@H](CO)C(=O)N[C@@H](CC(N)=O)C(=O)N1CCC[C@H]1C(=O)N[C@@H](CCCNC(N)=N)C(=O)N[C@@H](C(C)C)C(=O)N[C@@H](CCCNC(N)=N)C(N)=O)C(=O)CCCCCCCCCCCC

Formula C₆₁H₁₀₇N₁₉O₁₄ 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 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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

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. Active Analog 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

Caution: Product has not been fully validated for medical applications. For research use only.

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