

Pseudo RACK1

Chemical Properties

CAS No. :

Formula: C144H225N43O34S3

Molecular Weight: 3198.81

Keep away from moisture

Storage: 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	Activator of protein kinase C; attached to cell permeabilization Antennapedia domain vector peptide. Consists of peptide derived from the C2 domain of PKC β linked by a disulfide bridge to the Antennapedia domain vector peptide. The Antennapedia peptide is actively taken up by intact cells, at 4 or 37°C, ensuring rapid and effective uptake of the activator peptide. Once inside the cell, the disulfide bonds are subjected to reduction in the cytoplasm leading to release of the activator peptide.
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Solubility Information

Solubility	H2O: 2 mg/mL (0.63 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3126 mL	1.5631 mL	3.1262 mL
5 mM	0.0625 mL	0.3126 mL	0.6252 mL
10 mM	0.0313 mL	0.1563 mL	0.3126 mL
50 mM	0.0063 mL	0.0313 mL	0.0625 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

Derossi et al (1994) The third helix of the antennapedia homeodomain translocates through biological membranes. J.Biol.Chem. 269 10444 PMID:

Ron and Mochly-Rosen (1995) An autoregulatory region in protein kinase C: the pseudoanchoring site. Proc.Natl. Acad.Sci.U.S.A. 92 492 PMID:

Theodore et al (1995) Intraneuronal delivery of protein kinase C pseudosubstrate leads to growth cone collapse. J. Neurosci. 15 7158 PMID:

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