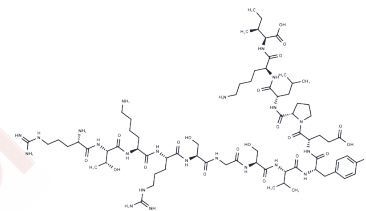


Malantide

Chemical Properties

CAS No. :	86555-35-3
Formula:	C72H124N22O21
Molecular Weight:	1633.89
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Malantide is a dodecapeptide phosphorylated by cyclic AMP-dependent protein kinase (PKA), and increases PKA activity. Malantide is a synthetic peptide that is phosphorylated by PKA and is used to measure PKA activity in vitro.
Targets(IC50)	PKA,PKC

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.612 mL	3.0602 mL	6.1204 mL
5 mM	0.1224 mL	0.612 mL	1.2241 mL
10 mM	0.0612 mL	0.306 mL	0.612 mL
50 mM	0.0122 mL	0.0612 mL	0.1224 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

Murray KJ, et al. Use of a synthetic dodecapeptide (malantide) to measure the cyclic AMP-dependent protein kinase activity ratio in a variety of tissues. *Biochem J.* 1990 May 1;267(3):703-8.

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