

Malantide acetate(86555-35-3 free base)

Chemical Properties

CAS No. :

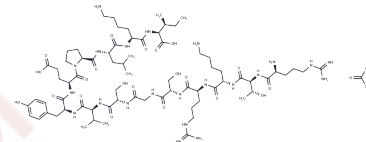
Formula: C74H128N22O23

Molecular Weight: 1693.97

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	Malantide acetate 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
In vitro	Malantide is a dodecapeptide, and increases PKA activity in a variety of tissues[1]. Malantide is phosphorylated by PKA[2].

Solubility Information

Solubility	DMSO: 5 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	0.5903 mL	2.9516 mL	5.9033 mL
5 mM	0.1181 mL	0.5903 mL	1.1807 mL
10 mM	0.059 mL	0.2952 mL	0.5903 mL
50 mM	0.0118 mL	0.059 mL	0.1181 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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