Data Sheet (Cat.No.TP1789)



Malantide

Chemical Proper	ties	
CAS No. :	86555-35-3	
Formula:	C72H124N22O21	
Molecular Weight:	1633.89	RTKRSGSVYEPLKI
Appearance:	no data available	
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year	

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.

Solubility Information

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

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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