

MANT-cGMP

Chemical Properties

CAS No. :	83707-15-7
Formula:	C18H19N6O8P
Molecular Weight:	478.36
Storage:	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	MANT-cGMP is a ribose-substituted nucleotide and serves as an adenylyl cyclase (AC) inhibitor with a K_i of 100 μ M and a pK_i of 4. It is utilized in research focused on heart failure, cancer, and neurological disorders.
Targets(IC50)	Adenylate cyclase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0905 mL	10.4524 mL	20.9048 mL
5 mM	0.4181 mL	2.0905 mL	4.181 mL
10 mM	0.209 mL	1.0452 mL	2.0905 mL
50 mM	0.0418 mL	0.209 mL	0.4181 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481