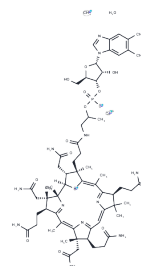


Methylcobalamin hydrate

Chemical Properties

CAS No. : 288315-09-3
 Formula: C63H91CoN13O14P.xH2O
 Molecular Weight: 1362.42
 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	Methylcobalamin Hydrate is a coenzyme necessary for the biosynthesis of methionine and plays a role as a vitamin (hematopoietic). It functions as a histamine receptor in Alzheimer's research. Additionally, it is used in studies of peripheral neuropathy, diabetic neuropathy, and serves as a preliminary research tool for amyotrophic lateral sclerosis. It can be utilized in the prevention or investigation of conditions arising from vitamin B12 deficiency, such as pernicious anemia.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.734 mL	3.6699 mL	7.3399 mL
5 mM	0.1468 mL	0.734 mL	1.468 mL
10 mM	0.0734 mL	0.367 mL	0.734 mL
50 mM	0.0147 mL	0.0734 mL	0.1468 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