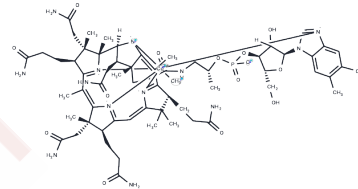


## Methylcobalamin

## Chemical Properties

CAS No. :	13422-55-4
Formula:	C <sub>63</sub> H <sub>91</sub> CoN <sub>13</sub> O <sub>14</sub> P
Molecular Weight:	1344.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Methylcobalamin (Brassinolide) is one active form of vitamin B12 which can directly participate in homocysteine metabolism. It is used to treat some nutritional diseases and other diseases in clinic, such as Alzheimer's disease and rheumatoid arthritis.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 50 mg/mL (37.19 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	0.7438 mL	3.7192 mL	7.4384 mL
5 mM	0.1488 mL	0.7438 mL	1.4877 mL
10 mM	0.0744 mL	0.3719 mL	0.7438 mL
50 mM	0.0149 mL	0.0744 mL	0.1488 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

Kumudha A, et al. Food Chem. 2015 Mar 1;170:316-20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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