

Methylcobalamin

Catalog No: tcsc2775



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

13422-55-4

Formula:

$C_{63}H_{91}CoN_{13}O_{14}P$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

CH3-B12

Observed Molecular Weight:

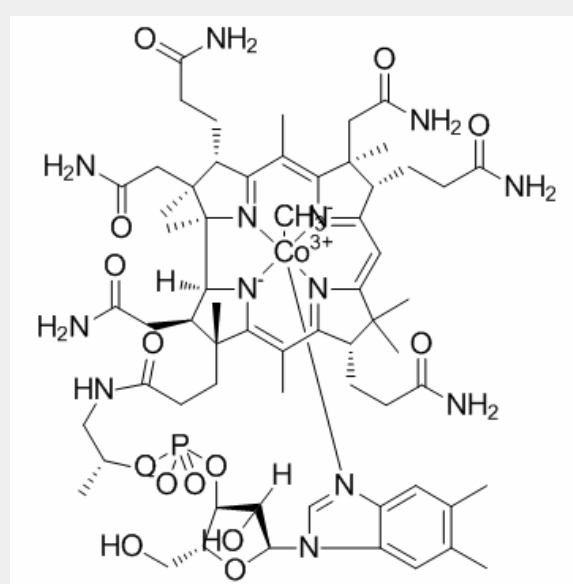
1344.38

Product Description

Methylcobalamin a cobalamin, is a form of vitamin B12.

Target: Others

Methylcobalamin is a cobalamin, a form of vitamin B12. It differs from cyanocobalamin in that the cyanide is replaced by a methyl group. Methylcobalamin features an octahedral cobalt(III) centre. Methylcobalamin can be obtained as bright red crystals. From the perspective of coordination chemistry, methylcobalamin is notable as a rare example of a compound that contains metal-alkyl bonds. Methylcobalamin is equivalent physiologically to vitamin B12, and can be used to prevent or treat pathology arising from a lack of vitamin B12 (vitamin B12 deficiency), such as pernicious anemia. Methylcobalamin is also used in the treatment of peripheral neuropathy, diabetic neuropathy, and as a preliminary treatment for amyotrophic lateral sclerosis. From Wikipedia.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!