

**Product Name** : Adenosylcobalamin

**Synonyms** : Coenzyme B12, Cobamamide, AdoCbl

Cat No. M22704

**CAS Number** 13870-90-1

Molecular Formula : C72H99CoN18O17F

Formula Weight . 1578.57

**Chemical Name** 

Adenosylcobalamin is a biologically active form of vitamin B12 .It is a cofactor for methylmalonyl CoA mutase.?It belongs to

the corrinoid group of compounds, which contain a corrin macrocycle, and is produced only by certain bacteria and

Description archaea.? It is a cofactor for various enzymes including mutases, eliminases, aminomutases, and a

reductase. Adenosyl cobalamin serves as the cofactor for a group of enzymes that catalyze unusual rearrangement or

elimination reactions.

**Pathway** : Proteasome/Ubiquitin

**Target** : Endogenous Metabolite

Receptor : Human Endogenous Metabolite

Solubility : H2O:4 mg/mL(2.53 mM)

[CH2-][C@H]10[C@@H]([C@@H](O)[C@H]10)n1cnc2c(N)ncnc12.[H][C@]12[C@H](CC(N)=O)[C@@](C)

 $(CCC(=O)NC[C@@H](C)OP([O-])(=O)O[C@@H]3[C@@H](CO)O[C@@H]([C@@H]3O)n3cnc4cc(C)c(C)cc34)\\ (CCC(=O)NC[C@@H](C)OP([O-])(=O)O[C@@H]3[C@@H](CO)O[C@@H](CO)(CO(N)=O)(CO(N$ 

[C@@H]3CCC(N)=O)C(C)(C)[C@@H]1CCC(N)=O

Storage : (-20℃)

Stability : ≥2 years

Reference

**SMILES** 

1. Kumudha A, et al. Characterization of vitamin B12 in Dunaliella salina. J Food Sci Technol. 2016 Jan;53(1):888-94.