Creative Enzymes®

Vitamin B12

Cat. No. COEC-035

Lot. No. (See product label)

Introduction

Description	Vitamin B12 (Cyanocobalamin) is part of a coenzyme needed for the synthesis of proteins and nucleic acids, and for the metabolism of carbohydrates. Vitamin B12 plays a role in the synthesis of myelin. The compound is also used as an antipernicious anemia factor.
Applications	A coenzyme for synthesis of nucleic acids and metabolism carbohydrates
Synonyms	Cyanocobalamin

Product Information

Form	Solid
CAS No.	68-19-9
Molecular Formula	C63H88CoN14O14P
Molecular Weight	1355.36
Purity	>95%
Melting Point	>392° C
Solubility	Soluble in water (50 mg/ml), DMSO (75 mg/ml at 25 °C), and ethanol (10 mg/ml at 25 °C). Insoluble in chloroform, and acetone.
Refractive Index	1.50 (Predicted)
Density	0.99-1.0 g/cm3