

Vitamin B12

Cat. No. COEC-101

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.

Density ~1.0 g/cm³ (Predicted)