## **Certificate of Analysis**

## Vitamin B12

 Cat. No.:
 HY-B0315

 CAS No.:
 68-19-9

 Batch No.:
 13786

Chemical Name: Vitamin B12

## PHYSICAL AND CHEMICAL PROPERTIES

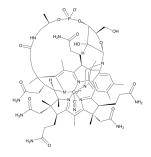
 $\label{eq:molecular Formula: C_63} \mbox{Molecular Formula: } \mbox{$C_{63}$H}_{88} \mbox{$CoN}_{14} \mbox{$O}_{14} \mbox{$P$}$ 

Molecular Weight: 1355.37

Storage: 4°C, protect from light

\* In solvent : -80°C, 1 year; -20°C, 6 months (protect from light)

**Chemical Structure:** 



## **ANALYTICAL DATA**

Appearance: Brown to reddish brown (Solid)

**LCMS:** Consistent with structure

Purity (LCMS): 99.87%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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