



CERTIFICATE OF ANALYSIS

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1. Identification

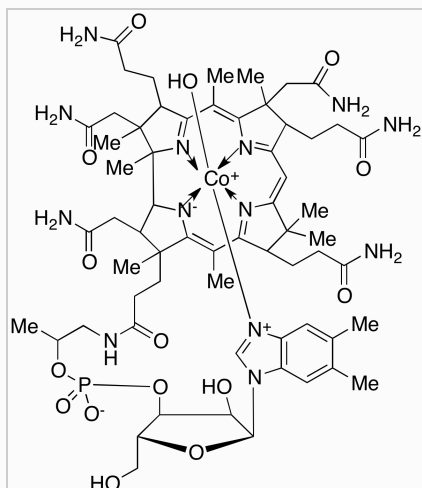
Catalogue Number: H862820

CAS Number: 13422-51-0

Synonym: Alpha Cobione; AlphaRedisol; Axlon; Ciplamin H; Hydroxo-cobalamin; Cobalex; Cobalin H; Cobinamide hydroxide phosphate 3'-ester with 5,6-dimethyl-1- α -D-ribofuranosylbenzimidazole Inner Salt; Droxomin; Docclan; Docelan; Docevit; Droxomin; Ducobee Hy; Duradoce; Duralta-12; Hydrocobalamin; Hydrogrisevit; Hydrovit; Hydroxocobalamin; Hydroxocobalamine; Hydroxocobemine; Hydroxy vitamin B12; Hydroxycobalamin; Hydroxycobalamine; Hyxobamine; Idrogrisevit; Megamilbedoce; Neo-Betalin 12; Neo-Cytamen; Neo

Product: Hydroxocobalamin (~90%)

Structure:



Molecular Formula:

$C_{62}H_{89}CoN_{13}O_{15}P$

Molecular weight:

1346.36

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 6-NRR-98-4

Purity: ~90%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Dark Red to Very Dark Purple Solid	Very Dark Red Solid
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 52.24, %H: 6.65, %N: 12.65
HPLC Purity	Report Result	90.03% (352 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	10/12/2021	10/10/2025
				