

CERTIFICATE OF ANALYSIS

(Certificate No. KMC031001-01)

Release Date: 26/05/2026

Re-test Date: 25/05/2029

Cyanocobalamin Impurity

Identification

Chemical Name :

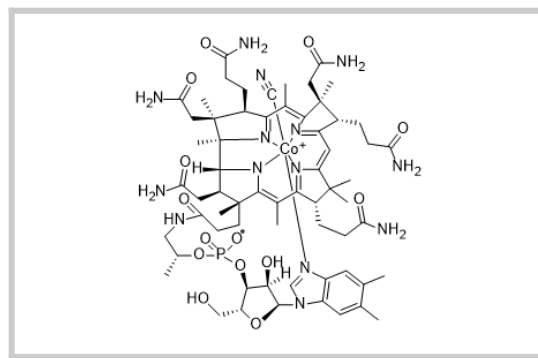
Alpha-(5,6-Dimethylbenzimidazolyl)cobamidcyanide

CAT No. : KMC031001

CAS No. : 68-19-9

Molecular Formula : C₆₃H₈₈CoN₁₄O₁₄P

Molecular Weight : 1355.37



Analytical Information

Batch No. : CYA-PRS-073-196

Description : Red Solid

HPLC Purity : 99.52 %

Weight Loss By TGA : 4.82 %

% Potency : 94.72 %

Solubility : Water

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = [100 - 4.82(Weight Loss By TGA)] x [99.52(HPLC Purity)]/100 = 94.72 %

-Re-tested on 26.05.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/05/2026
Reviewed & Approved By	Quality Control	Jatin Patel		26/05/2026

Attachments : COA, HPLC, MASS, ¹HNMR, IR and TGA