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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

Product Name: Thiamine EP Impurity H

Identification:

Chemical Name: (3RS)-3-[[[(4-Amino-2-methylpyrimidin-5-yl)methyl]thiocarbamoyl]sulfanyl]-4-oxopentyl acetate

Synonyms : Thiamine Thiocarbamate

CAS Number : 89285-03-0

CAT Number : CP-T2019

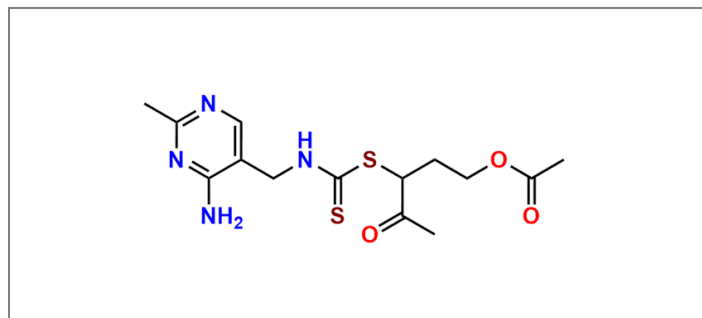
Molecular Formula : C₁₄H₂₀N₄O₃S₂

Molecular Weight : 356.46

Batch Number : CP-THI-H-0524

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White to Light Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	90.77 %
5)	¹ HNMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	1.183%
8)	Potency by TGA	89.70 %



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.