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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2024

Re-test Date: Apr 2027

**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

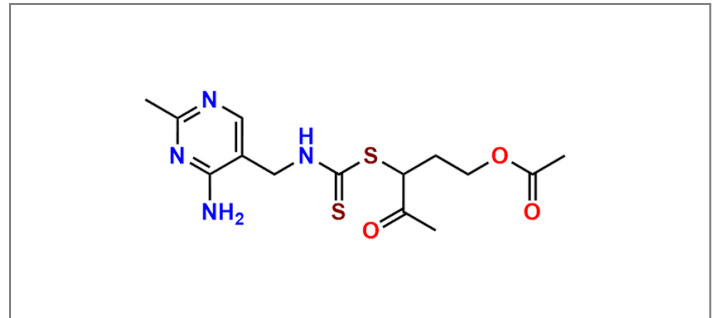
Molecular Formula : C<sub>14</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub>S<sub>2</sub>

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	Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.42%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	1.183%
8)	Potency by TGA	98.24%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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