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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2024

Re-test Date: Mar 2027

**Product Name: Thiamine EP Impurity B**

### Identification:

Chemical Name: 3-((4-Aminopyrimidin-5-yl)methyl)-5-(2-hydroxyethyl)-4-methylthiazol-3-ium chloride hydrochloride

Synonyms : 2'-Nor Thiamine ;  
Desmethylthiamine

CAS Number : 49614-72-4

CAT Number : CP-T2002

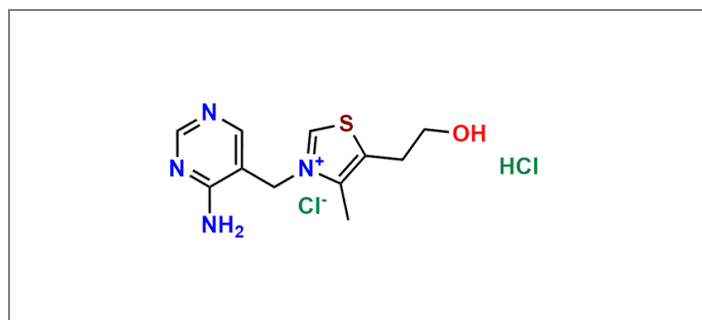
Molecular Formula : C<sub>11</sub>H<sub>15</sub>N<sub>4</sub>O<sub>5</sub> : Cl : HCl

Molecular Weight : 251.33 : 35.45 : 36.46

Batch Number : CP-THI-B-0424

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	Grey Solid
2)	Solubility	Slightly Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	94.81%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	IR	Confirm to structure
8)	Weight loss by TGA	1.32%
9)	Potency by TGA	93.55%



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare  
(QA Head)

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