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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2024

Re-test Date: Feb 2027

Product Name: Thiamine EP Impurity G

Identification:

Chemical Name: 5-(2-Acetoxyethyl)-3-((4-amino-2-methylpyrimidin-5-yl)methyl)-4-methylthiazol-3-ium chloride hydrochloride

Synonyms : NA

CAS Number : 1037-29-2

CAT Number : CP-T2018

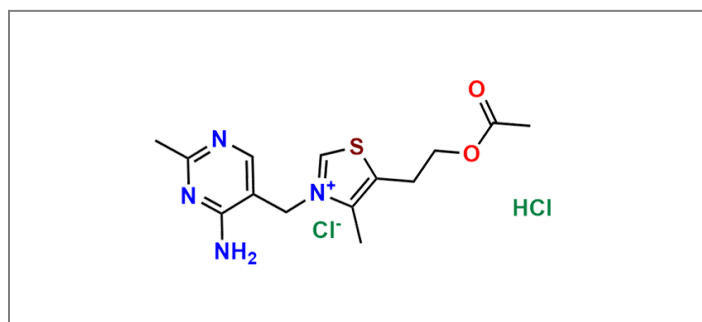
Molecular Formula : C₁₄H₁₉N₄O₂S : HCl : Cl

Molecular Weight : 307.39: 36.46 : 35.45

Batch Number : CP-THI-G-0324

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 | Yellow to Pale Yellow Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 98.63% |
| 5) | H1NMR | Confirm to structure |
| 6) | 13CNMR | Confirm to structure |
| 7) | Weight loss by TGA | 5.861% |
| 8) | Potency by TGA | 92.84% |



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.