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CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

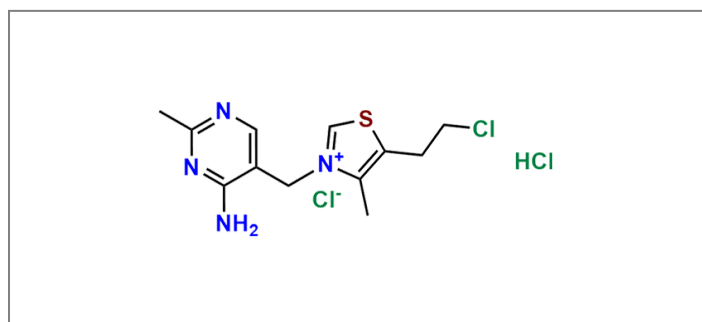
Re-test Date: Jan 2027

Product Name: Thiamine EP Impurity C

Identification:

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

Synonyms : Beclotiamine
CAS Number : 7275-24-3
CAT Number : CP-T2003
Molecular Formula : C₁₂H₁₆ClN₄S : Cl : HCl
Molecular Weight : 283.8 : 35.45 : 36.46
Batch Number : CP-THI-C-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)	Solubility	Soluble in Methanol/DMSO
2)	MASS By LCMS	Confirm to structure
3)	Purity By HPLC	95.73%
4)	H1NMR	Confirm to structure
5)	13CNMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	2.997%
8)	Potency by TGA	92.86%



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.