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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2024

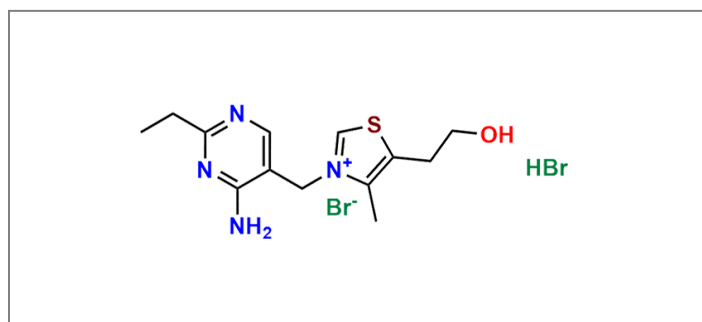
Re-test Date: Mar 2027

**Product Name: Thiamine EP Impurity F**

### Identification:

Chemical Name: 3-((4-Amino-2-ethylpyrimidin-5-yl)methyl)-5-(2-hydroxyethyl)-4-methylthiazol-3-ium bromide hydrobromide

Synonyms : NA  
CAS Number : 6309-04-2  
CAT Number : CP-T2017  
Molecular Formula : C<sub>13</sub>H<sub>19</sub>N<sub>4</sub>O<sub>5</sub> : Br : HBr  
Molecular Weight : 279.38 : 79.9 : 80.91  
Batch Number : CP-THI-F-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	White Solid
2)	Solubility	Slightly Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.48%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



**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.