

CERTIFICATE OF ANALYSIS

(Certificate No. KMT014017-01)

Release Date: 12/02/2026

Re-test Date: 11/02/2029

Thiamine EP Impurity C

Identification

Chemical Name :

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

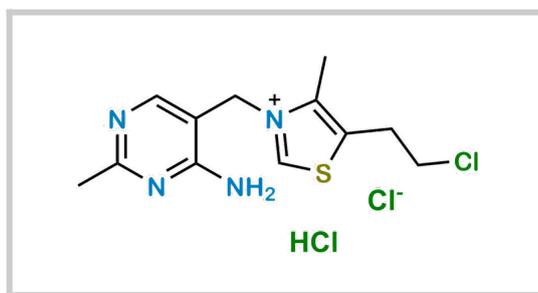
Alt. Name : Beclotiamine

CAT No. : KMT014017

CAS No. : 7275-24-3

Molecular Formula : C₁₂H₁₆ClN₄S : HCl : Cl

Molecular Weight : 283.8 : 36.5 : 35.5



Analytical Information

Batch No. : THI/R&D/C/027

Description : White Solid

HPLC Purity : 99.16 %

Weight Loss By TGA : 3.47 %

% Potency : 95.72 %

Solubility : DMSO

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 3.47(Weight Loss By TGA)] x [99.16(HPLC Purity)]/100 = 95.72 %

- Re-tested on 12.02.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		12/02/2026

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA