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

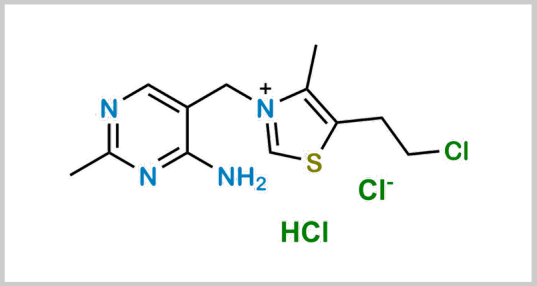
Alt. Name : Beclotiamine

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	**Solubility**	: DMSO
Description	: White Solid	**Mass**	: Confirm
HPLC Purity	: 99.16 %	**IR**	: Confirm
Weight Loss By TGA	: 3.47 %	**1H NMR**	: Confirm
% Potency	: 95.72 %		

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, 1HNMR, IR and TGA