CERTIFICATE OF ANALYSIS

(Certificate No. KMD136002-01)

Release Date: 08/03/2025 **Re-test Date:** 07/03/2028

THEOPHYLLINE RELATED COMPOUND-D

Identification

Chemical Name :
N-Methyl-5-(methylamino)-1H-imidazole-4-carboxamide (as per EP)

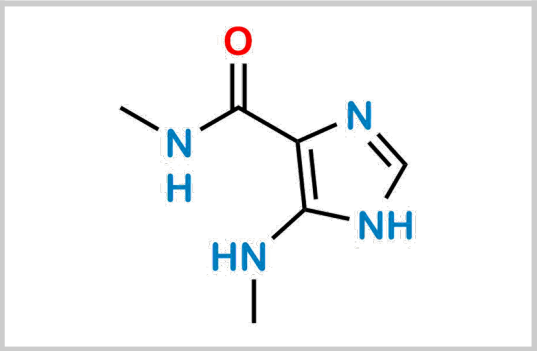
Alt. Name : Theophyllidine

CAT No. : KMD136002

CAS No. : 6736-40-9

Molecular Formula : C6H10N4O

Molecular Weight : 154.2



Analytical Information

Batch No.	: T001019-091-248	**Solubility**	: Acetonitrile
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.84 %	**IR**	: Confirm
Weight Loss By TGA	: 0.30 %	**1H NMR**	: Confirm
% Potency	: 99.54 %		

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 - 0.30(Weight Loss By TGA)] x [99.84(HPLC Purity)]/100 = 99.54 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		08/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		08/03/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA