CERTIFICATE OF ANALYSIS

(Certificate No. KMM102008-01)

Release Date: 31/07/2025 **Re-test Date:** 30/07/2028

Methionine EP Impurity D

Identification

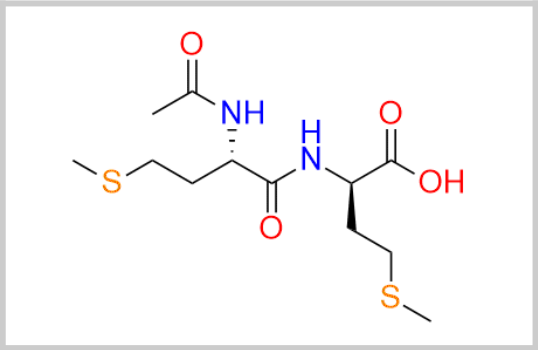
Chemical Name :
(2R)-2-[[(2RS)-2-(acetylamino)-4-(methylsulfanyl)butanoyl]amino]-4-(methylsulfanyl)butanoic acid (as per EP)

CAT No. : KMM102008

CAS No. : 1879009-96-7

Molecular Formula : C12H22N2O4S2

Molecular Weight : 322.4



Analytical Information

Batch No.	: M0102008-102-192	**Solubility**	: Methanol
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 98.96 %	**IR**	: Confirm
% Potency	: 98.96 %	**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 -] x [98.96(HPLC Purity)]/100 = 98.96 %
Mixture of isomers

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		31/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		31/07/2025

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