

CERTIFICATE OF ANALYSIS

(Certificate No. KMP004085-01)

Release Date: 18/12/2025

Re-test Date: 17/12/2028

Ethyl (2E)-2-cyano-5-methyl-hex-2-enoate Impurity

Identification

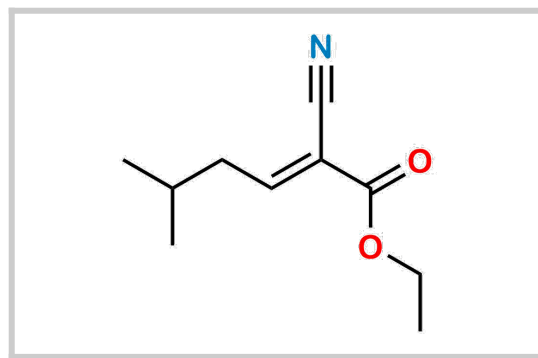
Chemical Name :
(E)-ethyl 2-cyano-5-methylhex-2-enoate

CAT No. : KMP004085

CAS No. : 103011-96-7

Molecular Formula : C₁₀H₁₅NO₂

Molecular Weight : 181.2



Analytical Information

Batch No. : P004085-114-059

Description : Light Yellow Liquid

HPLC Purity : 98.21 %

Weight Loss By TGA : 2.41 %

% Potency : 95.84 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C 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 - 2.41(Weight Loss By TGA)] x [98.21(HPLC Purity)]/100 = 95.84 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		18/12/2025

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA