

# 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

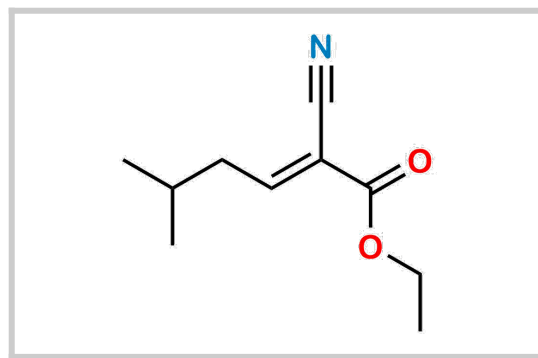
**Chemical Name :**  
(E)-ethyl 2-cyano-5-methylhex-2-enoate

**CAT No.** : KMP004085

**CAS No.** : 103011-96-7

**Molecular Formula** : C<sub>10</sub>H<sub>15</sub>NO<sub>2</sub>

**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

**<sup>1</sup>H NMR** : Confirm

**<sup>13</sup>C 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
<b>Prepared By</b>	Analytical	Jignesh Patel		18/12/2025
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		18/12/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA