# CERTIFICATE OF ANALYSIS

(Certificate No. KMP004002-04)

**Release Date:** 22/05/2026 **Re-test Date:** 21/05/2029

## Pregabalin Impurity 5E

## Identification

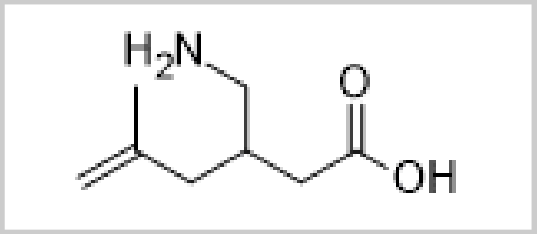
**Chemical Name** :
3-(aminomethyl)-5-methylhex-5-enoic acid

**CAT No.** : KMP004002

**CAS No.** : 1136478-30-2

**Molecular Formula** : C8H15NO2

**Molecular Weight** : 157.21




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : P004002-114-342 | **Solubility** | : Water |
| **Description** | : White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 97.80 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 5.50 % | **1H NMR** | : Confirm |
| **% Potency** | : 92.42 % | **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 - 5.50(Weight Loss By TGA)] x [97.80(HPLC Purity)]/100 = 92.42 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 22/05/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 22/05/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA