

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMP004008-01)

**Release Date:** 20/03/2025

**Re-test Date:** 19/03/2028

## **Pregabalin 4-ene Impurity**

### **Identification**

**Chemical Name :**

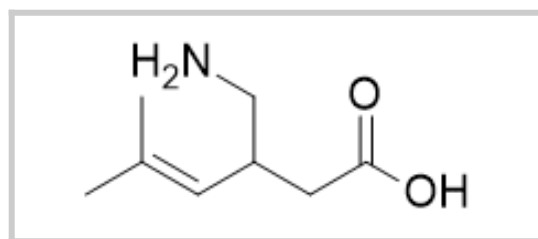
3-(aminomethyl)-5-methylhex-4-enoic acid

**CAT No.** : KMP004008

**CAS No.** : 216576-74-8

**Molecular Formula** : C<sub>8</sub>H<sub>15</sub>NO<sub>2</sub>

**Molecular Weight** : 157.21



### **Analytical Information**

**Batch No.** : PRE-4ENE-030-026

**Description** : White Solid

**HPLC Purity** : 99.75 %

**Weight Loss By TGA** : 3.02 %

**% Potency** : 96.74 %

**Solubility** : Water

**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 - 3.02(Weight Loss By TGA)] x [99.75(HPLC Purity)]/100 = 96.74 %

-Re-tested on 20.03.2025

-<sup>13</sup>C NMR added on 04.12.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		13/12/2025

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