

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP004064-01)

Release Date: 26/12/2023

Re-test Date: 25/12/2026

## PREGABALIN DIACID IMPURITY

### Identification

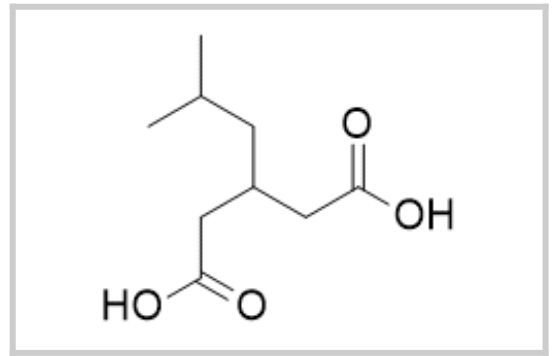
**Chemical Name :**  
3-Isobutylglutaric Acid ; 3-isobutylpentanedioic acid

**CAT No.** : KMP004064

**CAS No.** : 75143-89-4

**Molecular Formula** : C<sub>9</sub>H<sub>16</sub>O<sub>4</sub>

**Molecular Weight** : 188.2



### Analytical Information

**Batch No.** : PRE-DA-045-372

**Description** : Light Yellow Liquid

**HPLC Purity** : 94.18 %

**Weight Loss By TGA** : 1.33 %

**% Potency** : 92.93 %

**Solubility** : ACN

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 1.33(Weight Loss By TGA)] x [94.18(HPLC Purity)]/100 = 92.93 %

Remarks : COA Re-generated on 30.08.2024

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		13/11/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		13/11/2024

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