

# CERTIFICATE OF ANALYSIS

(Certificate No. KMB011004-01)

Release Date: 13/01/2023

Re-test Date: 12/01/2026

## Keto Diethyl Ester Impurity of Bempedoic Acid

### Identification

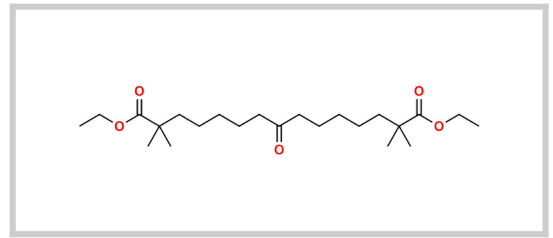
**Chemical Name :**  
Diethyl 2,2,14,14-tetramethyl-8-oxopentadecanedioate

**CAT No.** : KMB011004

**CAS No.** : 738606-43-4

**Molecular Formula** : C<sub>23</sub>H<sub>42</sub>O<sub>5</sub>

**Molecular Weight** : 398.6



### Analytical Information

**Batch No.** : BEM-KETO-045-008

**Description** : Colorless Liquid

**HPLC Purity** : 94.23 %

**Weight Loss By TGA** : 0.39 %

**% Potency** : 93.86 %

**Solubility** : Acetonitrile

**Mass** : Confirm as water adduct

**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 - 0.39(Weight Loss By TGA)] x [94.23(HPLC Purity)]/100 = 93.86 %

Remarks : COA Re-generated on 27.09.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		27/09/2024

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