

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM088009-01)

Release Date: 11/12/2023

Re-test Date: 10/12/2026

## Metaxalone Impurity E

### Identification

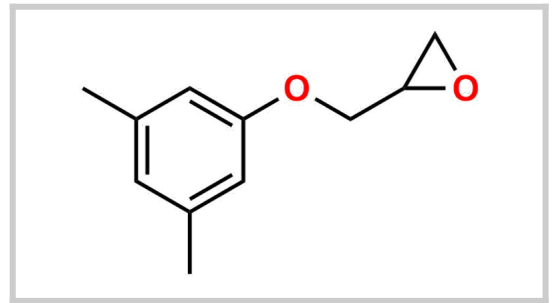
**Chemical Name :**  
2-[(3,5-Dimethylphenoxy)Methyl]Oxirane

**CAT No.** : KMM088009

**CAS No.** : 4287-30-3

**Molecular Formula** : C<sub>11</sub>H<sub>14</sub>O<sub>2</sub>

**Molecular Weight** : 178.2



### Analytical Information

**Batch No.** : MET-IMP-6-045-352

**Description** : Light Yellow Liquid

**HPLC Purity** : 97.38 %

**Weight Loss By TGA** : 1.74 %

**% Potency** : 95.69 %

**Solubility** : Acetonitrile

**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 - 1.74(Weight Loss By TGA)] x [97.38(HPLC Purity)]/100 = 95.69 %

Remarks : COA Re-generated on 17.10.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/10/2024
Reviewed & Approved By	Quality Control	Jatin Patel		17/10/2024

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