

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP002036-01)

Release Date: 28/11/2024

Re-test Date: 27/11/2027

## Propranolol HCL PPEP-2 Impurity

### Identification

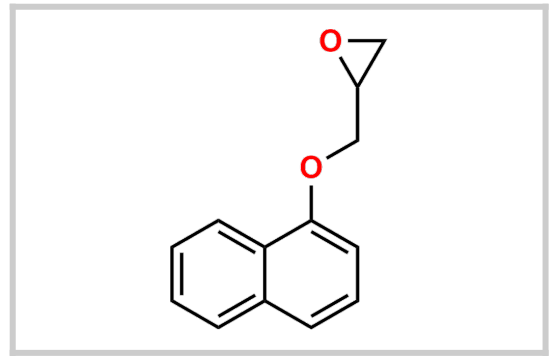
**Chemical Name :**  
2-((naphthalen-1-yloxy)methyl)oxirane

**CAT No.** : KMP002036

**CAS No.** : 2461-42-9

**Molecular Formula** : C<sub>13</sub>H<sub>12</sub>O<sub>2</sub>

**Molecular Weight** : 200.2



### Analytical Information

**Batch No.** : PRO-EPI-019-077

**Description** : \*Light Yellow Low Melting Solid  
(Sticky Liquid above 20° C)

**HPLC Purity** : 98.74 %

**Weight Loss By TGA** : 0.09 %

**% Potency** : 98.65 %

**Solubility** : Methanol

**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 - 0.09(Weight Loss By TGA)] x [98.74(HPLC Purity)]/100 = 98.65 %

-Re-tested on 28.11.2024

\* Description changed on 17.01.2025

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Parag Patel		17/01/2025
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		17/01/2025

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