

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP002018-01)

Release Date: 29/10/2024

Re-test Date: 28/10/2027

## Propranolol Hydrochloride Impurity A

### Identification

**Chemical Name :**

3-(naphthalen-1-yloxy)propane-1,2-diol

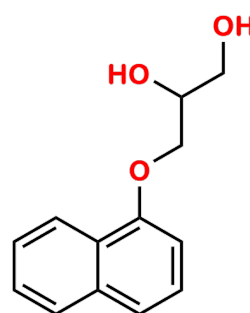
**Alt. Name** : Propranolol USP Related Compound A

**CAT No.** : KMP002018

**CAS No.** : 36112-95-5

**Molecular Formula** : C<sub>13</sub>H<sub>14</sub>O<sub>3</sub>

**Molecular Weight** : 218.2



### Analytical Information

**Batch No.** : P002018-091-017

**Solubility** : Acetonitrile

**Description** : Off White Solid

**Mass** : Confirm

**HPLC Purity** : 95.36 %

**IR** : Confirm

**Weight Loss By TGA** : 0.83 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 94.57 %

### 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 - 0.83(Weight Loss By TGA)] x [95.36(HPLC Purity)]/100 = 94.57 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		04/03/2025
Reviewed & Approved By	Quality Control	Ravi Patel		04/03/2025

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