

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP002020-01)

Release Date: 20/08/2023

Re-test Date: 19/08/2026

## Propranolol EP Impurity C

### Identification

**Chemical Name :**

1,3-bis[(naphthalen-1-yl)oxy]propan-2-ol (as per EP) ; 1,3-Bis(naphthalen-1-yloxy)propan-2-ol (as per USP)

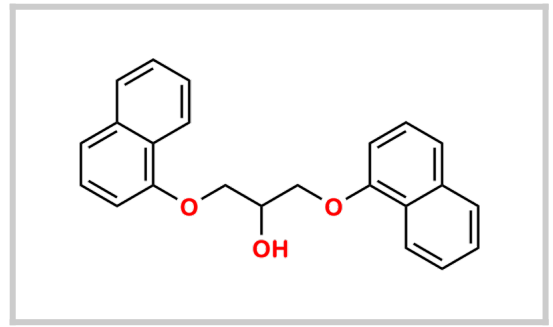
**Alt. Name** : Propranolol Bis-ether Impurity ;  
Dinaphthyl Glycerol (USP)

**CAT No.** : KMP002020

**CAS No.** : 17216-10-3

**Molecular Formula** : C<sub>23</sub>H<sub>20</sub>O<sub>3</sub>

**Molecular Weight** : 344.4



### Analytical Information

**Batch No.** : PRO-DNG-019-013

**Description** : Brown Liquid

**HPLC Purity** : 96.88 %

**Weight Loss By TGA** : 4.27 %

**% Potency** : 92.74 %

**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 - 4.27(Weight Loss By TGA)] x [96.88(HPLC Purity)]/100 = 92.74 %

Remarks : COA Re-generated on 22.10.2024

-Re-tested on 20.08.2023

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/10/2024
Reviewed & Approved By	Quality Control	Jatin Patel		22/10/2024

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