

CERTIFICATE OF ANALYSIS

(Certificate No. KMP002019-01)

Release Date: 20/08/2023

Re-test Date: 19/08/2026

Propranolol EP Impurity B

Identification

Chemical Name :

3,3'-(isopropylazanediyl)bis(1-(naphthalen-1-yloxy)propan-2-ol)

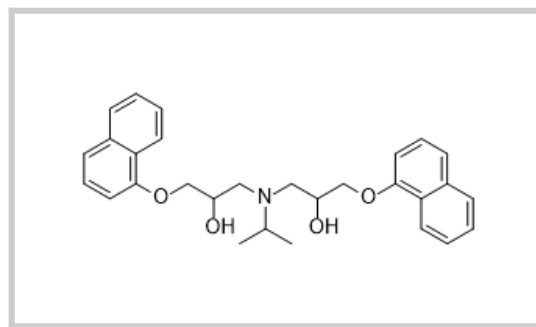
Alt. Name : Propranolol Dimer

CAT No. : KMP002019

CAS No. : 2172495-51-9 (HCl salt) ; 83314-78-7 (free base)

Molecular Formula : C₂₉H₃₃N₂O₄

Molecular Weight : 459.58



Analytical Information

Batch No. : PRO-DIMER-019-016

Description : White Syrup

HPLC Purity : 97.30 %

Weight Loss By TGA : 2.93 %

% Potency : 94.45 %

Solubility : Methanol

Mass : Confirm

IR : Confirm

¹H 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 = $[100 - 2.93(\text{Weight Loss By TGA})] \times [97.30(\text{HPLC Purity})]/100 = 94.45 \%$

Remarks : COA Re-generated on 24.10.2024

-Re-tested on 20.08.2023

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 24/10/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 24/10/2024 |

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA