

CERTIFICATE OF ANALYSIS

(Certificate No. KMP002019-02)

Release Date: 04/04/2025

Re-test Date: 03/04/2028

Propranolol Dimer Impurity

Identification

Chemical Name :

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

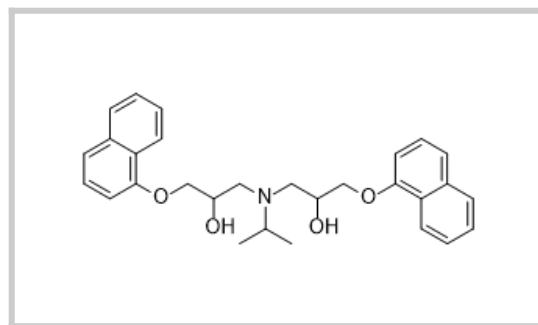
Alt. Name : Propranolol Dimer

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. : P002019-091-303

Solubility : ACN : Water (1:1)

Description : Light Brown Thick Syrup

Mass : Confirm

HPLC Purity : 97.54 %

IR : Confirm

Weight Loss By TGA : 0.83 %

¹H NMR : Confirm

% Potency : 96.73 %

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 [97.54(HPLC Purity)]/100 = 96.73 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		09/04/2025

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