CERTIFICATE OF ANALYSIS

(Certificate No. KMP002019-02)

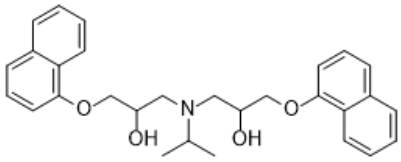
Release Date: 04/04/2025 **Re-test Date:** 03/04/2028

PROPRANOLOL DIMER 3,3'-(ISOPROPYL AZANEDIYL)BIS(1-(NAPHTHALEN-1-YLOXY)PROPAN

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	: C29H33NO4
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		04/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		04/04/2025

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