CERTIFICATE OF ANALYSIS

(Certificate No. KMT023012-01)

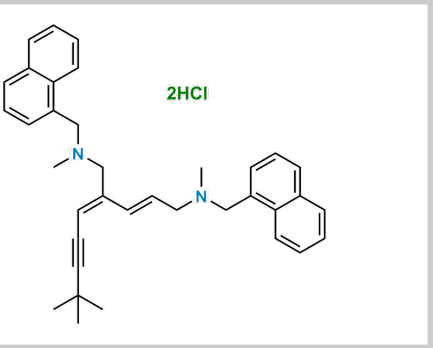
Release Date: 28/10/2025 **Re-test Date:** 27/10/2028

Terbinafine Impurity E

Identification

Chemical Name :
(2E,4E)-4-(4,4-dimethylpent-2-yn-1-ylidene)-N,N′-dimethyl-N,N′-bis(naphthalen-1-ylmethyl)pent-2-ene-1,5-diamine Dihydrochloride (as per EP)

Alt. Name	: Terbinafine Dimer Impurity
CAT No.	: KMT023012
CAS No.	: Not Available ; 934365-23-8 (Freebase)
Molecular Formula	: C36H40N2 : 2HCl
Molecular Weight	: 500.7 : 2(36.5)



Analytical Information

Batch No.	: SL-AVV-339-092
Description	: Off White Solid
HPLC Purity	: 99.18 %
Weight Loss By TGA	: 2.13 %
% Potency	: 97.07 %
Solubility	: ACN : Water (50 : 50)
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 - 2.13(Weight Loss By TGA)] x [99.18(HPLC Purity)]/100 = 97.07 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/10/2025
Reviewed & Approved By	Quality Control	Jatin Patel		28/10/2025

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