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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

**Product Name: Terbinafine EP Impurity D**

### Identification:

Chemical Name: (2E)-N,6,6-Trimethyl-N-[(4-methylnaphthalen-1-yl)methyl]hept-2-en-4-yn-1-amine Hydrochloride (as per EP & USP)

Synonyms : Terbinafine USP Related  
Compound D ; 4-  
methylterbinafine (EP)

CAS Number : 877265-33-3

CAT Number : CP-T34004

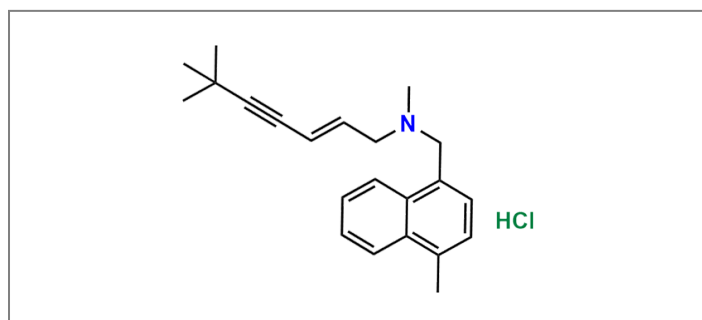
Molecular Formula : C<sub>22</sub>H<sub>27</sub>N : HCl

Molecular Weight : 305.46 : 36.46

Batch Number : CP-TER-D-0325

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White to Pale Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity By HPLC	96.18%
5)	H1NMR	Confirm to Structure
6)	13CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.489%
9)	Potency by TGA	95.71%



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.