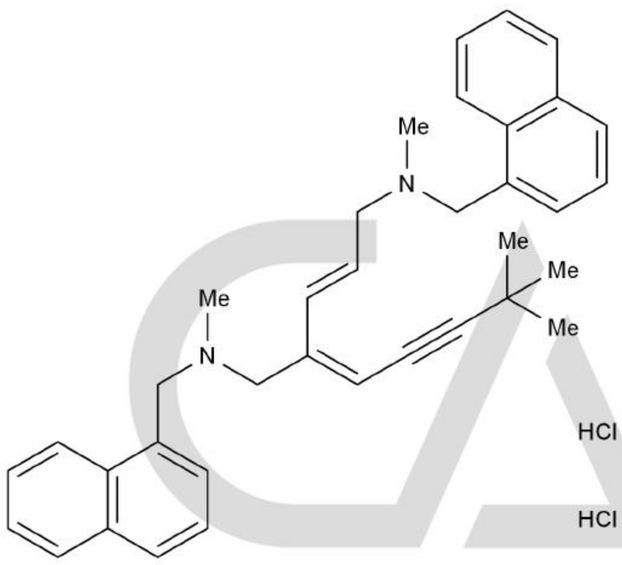
Certificate of Analysis

Reference Material & Standard

Product Name:	Terbinafine EP Impurity E Dihydrochloride Salt	**Catalogue Number:**	C4X-13385
Synonyms:	N/A	**Lot Number:**	0703-RH-0136
CAS Number:	934365-23-8(free base)	**Expiry Date:**	Jul 07, 2030
Molecular Formula:	$C_{36}H_{40}N_2$ 2*HCl	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	500.72 2*36.46	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	98.8%
Assay	qNMR	91.2%

CATO Research Chemicals Inc.

Signature:

Prepared by: Koi Date: Nov 12, 2026

Reviewed by: Lisa Date: Nov 12, 2026

Approved by General Manager: David Date: Nov 12, 2026

CATO Research Chemicals Inc.