

Analysis Date: 22-12-2025

Re-test Date: 22-12-2028

## TERBINAFINE IMPURITY 12

### Identification

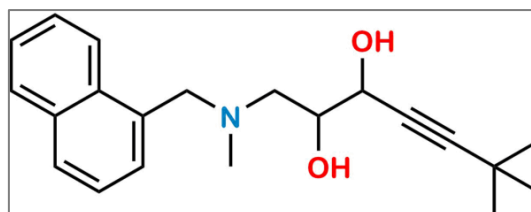
**Chemical Name** : 6,6-Dimethyl-1-(methyl(naphthalen-1-ylmethyl)amino)hept-4-yne-2,3-diol

**CAT No** : ALL-TERB-22

**CAS No** : N.A.

**Molecular Formula** : C<sub>21</sub>H<sub>27</sub>NO<sub>2</sub>

**Molecular Weight** : 325.5



### Analytical Information

<b>Batch No.</b>	: ALL-TERB-22	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 97.32 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.541 %	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.143 %		

### Additional Information

%Potency = [100 - ( Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.541+0.143) × 98.00]/100 = 97.32 %

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr.Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

**Attachment** : HPLC, Mass, 1H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office