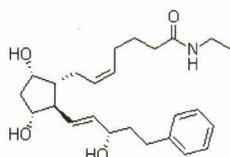


## Bimatoprost

Batch no 2510003  
Mf date Oct 22 2025  
Retest Oct 21 2028

### Molecular Structure



Molecular Formula  $C_{25}H_{37}NO_4$   
Molecular Weight 415.57  
CAS Registry Number 155206-00-1

Nov 20 2025

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White or almost white crystalline powder	White powder
Identification	IR, HPLC, TLC	Positive
Solubility	Test the sample in solution of ethanol for solubility	Conforms
Melting point	60 ~ 70°C	66.1°C
Optical rotation $[\alpha]_D^{20}$	+30.0 ~ +36.0° (c=1.0, CH <sub>3</sub> CN)	+35.2°
Water	≤ 1.0%	0.32%
Heavy metals	≤ 10 ppm	Conforms
Sulfated ash	≤ 0.2%	0.048%
Related substances	15-epi-Bimatoprost ≤ 0.15% 5,6-trans-Bimatoprost ≤ 0.3% Bima acid ≤ 0.1% Any other impurity ≤ 0.1% Total impurities ≤ 1.0%	0.02% 0.03% ND ND 0.03%
Residual solvents	Methanol ≤ 3000 ppm Ethanol ≤ 5000 ppm Ethyl acetate ≤ 5000 ppm Acetone ≤ 5000 ppm Dichloromethane ≤ 600 ppm Tert-Butylmethyl ether ≤ 5000 ppm Toluene ≤ 890 ppm	ND ND ND ND ND ND ND
Assay (oab, solvent-free basis)	97.5 ~ 101.0% of $C_{25}H_{37}NO_4$	100.5%
Packaging & storage	Preserve at ambient temperature & in well-closed containers	
Conclusion	Material complies with in-house standard	