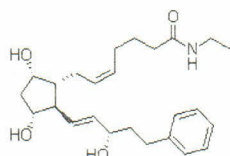


## Bimatoprost

Batch no 2602001  
 Mf date Feb 02 2026  
 Retest Feb 01 2029

### Molecular Structure



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

Mar 10 2026

<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	66.0°C
Optical rotation $[\alpha]_D^{20}$	+30.0 ~ +36.0° (c=1.0, CH <sub>3</sub> CN)	+35.5°
Water	≤ 1.0%	0.4%
Heavy metals	≤ 10 ppm	Conforms
Sulfated ash	≤ 0.2%	Conforms
Related substances	15-epi-Bimatoprost ≤ 0.15%	0.03%
	5,6-trans-Bimatoprost ≤ 0.3%	0.03%
	Bima acid ≤ 0.1%	ND
	Any other impurity ≤ 0.1%	ND
	Total impurities ≤ 1.0%	0.1%
Residual solvents	Methanol ≤ 3000 ppm	ND
	Ethanol ≤ 5000 ppm	ND
	Ethyl acetate ≤ 5000 ppm	ND
	Acetone ≤ 5000 ppm	ND
	Dichloromethane ≤ 600 ppm	ND
	Tert-Butylmethyl ether ≤ 5000 ppm	ND
	Toluene ≤ 890 ppm	ND
Assay (oab, solvent-free basis)	97.5 ~ 101.0% of $C_{25}H_{37}NO_4$	100.3%

Packaging & storage.	Preserve at ambient temperature & in well-closed containers
Conclusion	Material complies with in-house standard