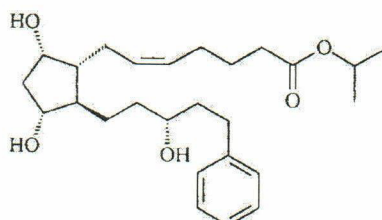


Batch no 20260610
Mf date Jun 10 2026
Retest Jun 09 2028

Molecular Structure



Molecular Formula $C_{26}H_{40}O_5$
Molecular Weight 432.59
CAS Registry Number 130209-82-4

Aug 03 2026

Tests	Specifications	Results
Appearance	Colorless to yellowish viscous oily liquid	Conforms
Identification	RT of the sample should match with standard in the related substances	Positive
Optical rotation $[\alpha]_D^{20}$	+31 ~ +38°	+34.5°
Water	≤ 2.0%	0.2%
Residue on ignition	≤ 0.5%	0.1%
Residual solvents	Ethanol	≤ 0.5% 0.2%
	n-Hexane	≤ 0.029% 0.1%
Related substances	Related compound A (5,6-trans isomer)	≤ 3.5% 0.15%
	Related compound B (15S-sic isomer)	≤ 0.5% 0.1%
	Related compound E (Latanoprost acid)	≤ 0.2% 0.002%
	Isopropyl diphenyl phosphoryl pentanoic acid salt	≤ 0.1% 0.001%
	Any other unknown impurities	≤ 0.1% 0.1%
	Total unknown impurities	≤ 0.5% 0.27%
	Total purity	≥ 96.5% 99.477%
Assay	94.0 ~ 102.0%	99.58%

Packaging & storage	Preserve in tight containers, and store at 2 ~ 8°C for long time storage
Conclusion	Material complies with USP40