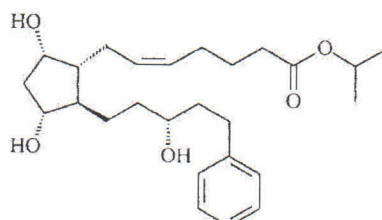


Batch no 20240930  
Mf date Sep 30 2024  
Retest Sep 29 2026

Molecular Structure



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

Oct 10 2024

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°	+34.6°
Water	≤ 2.0%	0.2%
Residue on ignition	≤ 0.5%	0.11%
Residual solvents	Ethanol	≤ 0.5% 0.16%
	n-Hexane	≤ 0.029% 0.006%
Related substances	Related compound A (5,6-trans isomer)	≤ 3.5% 0.26%
	Related compound B (15S-sic isomer)	≤ 0.5% 0.13%
	Related compound E (Latanoprost acid)	≤ 0.2% 0.003%
	Isopropyl diphenyl phosphoryl pentanoic acid salt	≤ 0.1% 0.001%
	Any other unknown impurities	≤ 0.1% ND
	Total unknown impurities	≤ 0.5% 0.002%
	Total purity	≥ 96.5% 99.604%
Assay	94.0 ~ 102.0%	99.56%

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