

PRODUCT: Latanoprost**ALTERNATE NAME:** (5Z)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(3R)-3-hydroxy-5-phenylpentyl]cyclopentyl]-5-heptanoic acid 1-methylethyl ester**CATALOG #:** B1320-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₆H₄₀O₅**MOLECULAR WEIGHT:** 432.59**CAS NUMBER:** 130209-82-4**APPEARANCE:** Light yellow oil**SOLUBILITY:** DMSO (~ 50 mg/ml)**PURITY:** ≥97% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** Latanoprost is the isopropyl ester of 17-phenyl-13,14-dihydro prostaglandin F_{2α} (17-phenyl-13,14-dihydro PGF_{2α}). It is a prodrug of the free acid, that acts as a potent agonist of the FP receptor in the eye. Latanoprost reduces intraocular pressure in glaucoma patients with few side effects.**REFERENCES:** Camras, C.B., *et al.* (1996). *Ophthalmology* **103**, 1916-1924**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Bimatoprost (**B1318**)Latanoprost (**B1320**)Lubiprostone (**B1319**)PF-04418948 (**B1168**)Prostaglandin E2 (**2268**)SW-033291 (**9584**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**