

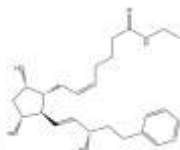
PRODUCT: Bimatoprost

ALTERNATE NAME: (5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-penten-1-yl]cyclopentyl]-N-ethyl-5-heptenamide; AGN-192024; Lumigan; Prostanamide;

CATALOG #: B1318-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₃₇NO₄

MOLECULAR WEIGHT: 415.57

CAS NUMBER: 155206-00-1

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: Bimatoprost is a synthetic prostamide, structurally related to prostaglandin F_{2α}. Bimatoprost is an antiglaucoma agent. Bimatoprost is converted by an amidase enzymatic activity in bovine and human cornea models to yield the corresponding free acid, 17-phenyl trinor PGF_{2α}, a potent PGF_{2α}R agonist. In human and animal models of glaucoma, FP receptor agonist activity corresponds very closely with intraocular hypotensive activity.

REFERENCES: Balapure, A.K., et al. (1989). *Biochemical pharmacology*. **38**, 2375-81.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

PF-04418948 (**B1168**)

Prostaglandin E2 (**2268**)

SW-033291 (**9584**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**