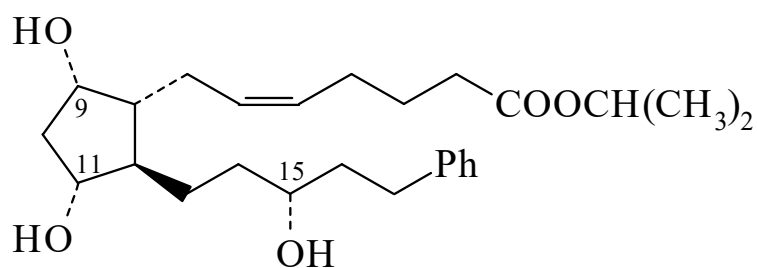




>>Entry Name: Latanoprost, BAN, INN

Synonym(s): 1-Methylethyl 7-[3,5-dihydroxy-2-(3-hydroxy-5-phenylpentyl)cyclopentyl]-5-heptenoate, 9Cl. Xalatan. PhXA41. PhXA34



CAS Registry Number: 130209-82-4

Related CAS Registry Numbers(s): 145773-22-4

Molecular Formula: C₂₆H₄₀O₅

Molecular Weight: 432.599

Accurate Mass: 432.287575

Percentage Composition: C 72.19%; H 9.32%; O 18.49%

Biological Use/Importance: Prostaglandin F_{2α} agonist. Reduces intraocular pressure. Used in the treatment of glaucoma

Physical Description: Oil

Development Status: Marketed drug. Launched 1996 (US) (Pharmacia and Upjohn). Worldwide 71st best selling prescription drug (\$0.69 bn) (Pharmacia) (2000, Pharma Business)

Optical Rotation: $[\alpha]_D^{20} +31.57$ (c, 0.91 in MeCN)

Calculated Log P Data: Log P 2.94 (calc)

References:

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Alm, A. *et al.*, *Arch. Ophthalmol. (Chicago)*, 1991, **109**, 1564, (*pharmacol*)

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