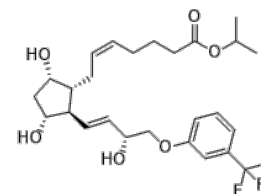


Product Name : Travoprost
Cat. No. : PC-22116
CAS No. : 157283-68-6
Molecular Formula : C₂₆H₃₅F₃O₆
Molecular Weight : 500.56
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



CAS: 157283-68-6

Biological Activity

Travoprost (Fluprostenol isopropyl ester), an isopropyl ester proagent, is a high affinity, selective FP prostaglandin full receptor agonist with K_i of 52 nM, functional EC₅₀ of 27 nM.

Travoprost displays little to no affinity at the prostaglandin DP, EP1, EP3, EP4, IP and TP receptors.

Topical ocular application of travoprost produced a marked miotic effect in cats following doses of 0.01, 0.03 and 0.1 microg.

Travoprost is a promising ocular hypotensive prostaglandin FP derivative that has the ocular hypotensive efficacy of PGF₂α isopropyl ester but with less severe ocular side effects.

References

Netland PA, et al. Am J Ophthalmol. 2001 Oct;132(4):472-84.

Hellberg MR, et al. J Ocul Pharmacol Ther. 2001 Oct;17(5):421-32.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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