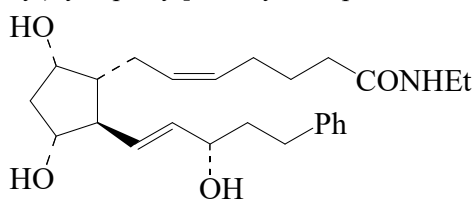




>>Entry Name: Bimatoprost, 9CI

Synonym(s): 7-[3,5-Dihydroxy-2-(3-hydroxy-5-phenyl-1-pentenyl)cyclopentyl]-N-ethyl-5-heptenamide, 9CI. Lumigan. AGN 192024



Extra CAS Registry Numbers(s): 155206-00-1

Molecular Formula: C₂₅H₃₇NO₄

Molecular Weight: 415.572

Accurate Mass: 415.272259

Percentage Composition: C 72.26%; H 8.97%; N 3.37%; O 15.40%

Biological Use/Importance: Ocular hypotensive agent. Used to treat glaucoma

Physical Description: No phys. props. reported

Other Data: Stereochem. is (1R,2R,3R,3'S,5S)

References:

Pat. Coop. Treaty (WIPO), 1994, *Allergen*, 94 06 0433; *CA*, **120**, 315840z, (*synth, pharmacol*)

Brubaker, R.F. *et al.*, *Am. J. Ophthalmol.*, 2001, **131**, 19-24, (*pharmacol*)

Cantor, L.B. *et al.*, *Expert Opin. Invest. Drugs*, 2001, **10**, 721-731, (*rev*)