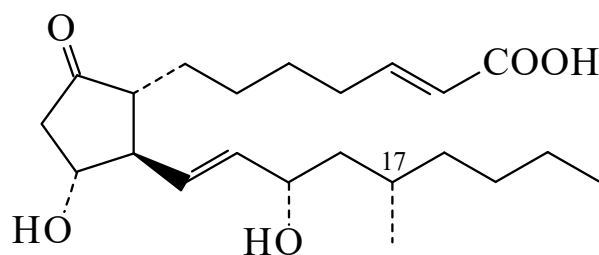




>>Entry Name: Limaprost, INN

Synonym(s): 11,15-Dihydroxy-17,20-dimethyl-9-oxoprost-2,13-dien-1-oic acid, 9Cl. 2,3-Didehydro-17,20-dimethyl-PGE₁. Prorenal. Opalmon. OP 1206. ONO 1206



(17*S*)-form

Related CAS Registry Numbers(s): 88852-12-4 100459-01-6

Molecular Formula: C₂₂H₃₆O₅

Molecular Weight: 380.523

Accurate Mass: 380.256275

Percentage Composition: C 69.44%; H 9.54%; O 21.02%

Use/Importance: Prostanoid receptor agonist. Vasodilator. Platelet aggregation inhibitor. Used orally in treatment of Raynaud's phenomenon

Development Status: Launched 1988

Calculated Log P Data: Log P 3.24 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 19 mg/kg

>>Variant: (17*S*)-form

CAS Registry Number: 74397-12-9

Molecular Formula: C₂₂H₃₆O₅

Molecular Weight: 380.523

Accurate Mass: 380.256275

Percentage Composition: C 69.44%; H 9.54%; O 21.02%

Physical Description: Cryst.

Melting Point: Mp 97-100°

References:

Tsuboi, T. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1980, **247**, 89, (*pharmacol*)

Ger. Pat., 1980, *Ono*, 3 002 677; *CA*, **93**, 238925, (*synth, pmr*)

Hecker, G. *et al.*, *Prog. Clin. Biol. Res.*, 1987, **242**, 317, (*props*)

Toyo'oka, T. *et al.*, *Biomed. Chromatogr.*, 1992, **6**, 143, (*hplc*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1157