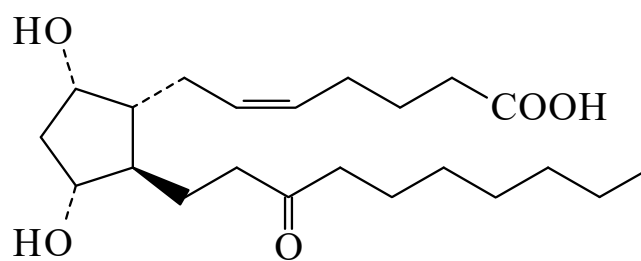




>>Entry Name: Unoprostone, INN

Synonym(s): 7-[3,5-Dihydroxy-2-(3-oxodecyl)cyclopentyl]-5-heptenoic acid, 9CI. UR 021



CAS Registry Number: 120373-36-6

Molecular Formula: $C_{22}H_{38}O_5$

Molecular Weight: 382.539

Accurate Mass: 382.271925

Percentage Composition: C 69.08%; H 10.01%; O 20.91%

Use/Importance: Vasopressor

Physical Description: No phys. props. reported

Calculated Log P Data: Log P 2.63 (calc)

>>Derivative: Isopropyl ester

Synonym(s): Rescula. UF 021

CAS Registry Number: 120373-24-2

Molecular Formula: $C_{25}H_{44}O_5$

Molecular Weight: 424.62

Accurate Mass: 424.318875

Percentage Composition: C 70.72%; H 10.44%; O 18.84%

Use/Importance: Prostaglandin F_{2a} agonist. Used in the treatment of glaucoma and ocular hypertension

Development Status: Launched 1994 (Japan)

References:

Eur. Pat., 1988, 289 349; *CA*, **110**, 212479c, (*synth, pharmacol*)

Sakurai, M. *et al.*, *Jpn. J. Ophthalmol.*, 1993, **37**, 252, (*pharmacol*)