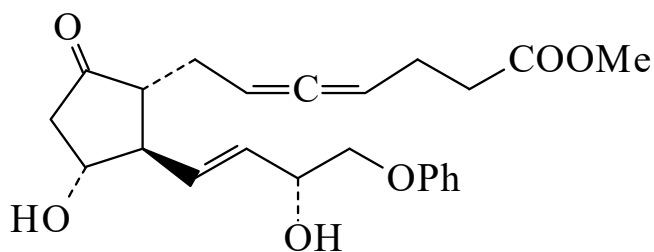




>>Entry Name: Enprostil, BAN, INN, USAN

Synonym(s): Methyl 7-[3-hydroxy-2-(3-hydroxy-4-phenoxy-1-butenyl)-5-oxocyclopentyl]-4,5-heptadienoate, 9Cl. Methyl 11,15-dihydroxy-9-oxo-16-phenoxy-17,18,19,20-tetranorprosta-4,5,13-trienoate. Camleed. Fundyl. Gardrin. Syngard. RS 84135



CAS Registry Number: 73121-56-9

Type of Compound Code(s): XA4220 XA2370 XA1645

Molecular Formula: C₂₃H₂₈O₆

Molecular Weight: 400.471

Accurate Mass: 400.18859

Percentage Composition: C 68.98%; H 7.05%; O 23.97%

Use/Importance: Prostanoid EP₃-receptor agonist. Antiulcer agent; gastric secretion inhibitor. Antihypercholesterolaemic activity via inhibition of cholesterol absorption

Development Status: Launched 1985

Calculated Log P Data: Log P 1.07 (calc)

References:

- U.S. Pat.*, 1979, *Syntex*, 4 178 457; *CA*, **92**, 146339p, (*synth, pharmacol*)
Cohen, M.M. *et al.*, *Gastroenterology*, 1985, **88**, 382, (*pharmacol*)
Thomson, A.B.R., *Am. J. Med.*, Part 2A, 1986, **81**, (*book, pharmacol*)
Goa, K.L. *et al.*, *Drugs*, 1987, **34**, 539, (*rev, pharmacol*)
Kiang, C.H. *et al.*, *J. Chromatogr.*, 1991, **567**, 195, (*hplc*)
Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1153
Park, H. *et al.*, *Synthesis*, 1994, 792, (*synth, ir, pmr, cmr, ms*)
Vanhanen, H. *et al.*, *Scand. J. Gastroenterol.*, 1995, **30**, 33, (*pharmacol*)