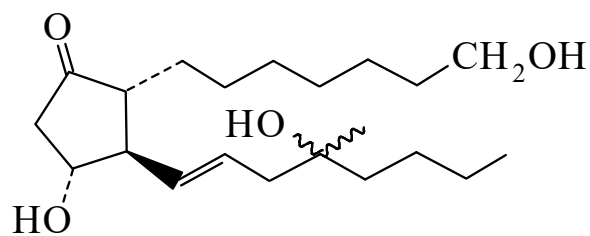




>>Entry Name: Rioprostil, BAN, INN, USAN

Synonym(s): 1,11,16-Trihydroxy-16-methylprost-13-en-9-one, 9Cl. 4-Hydroxy-2-(7-hydroxyheptyl)-3-(4-hydroxy-4-methyl-1-octenyl)cyclopentanone. Rostec. BAY O 6893. TR 4698. ORF 15927



CAS Registry Number: 77287-05-9

Molecular Formula: $C_{21}H_{38}O_4$

Molecular Weight: 354.529

Accurate Mass: 354.27701

Percentage Composition: C 71.15%; H 10.80%; O 18.05%

Use/Importance: Gastric antisecretory agent; used in the treatment of gastric ulcers. Protective effect in cyclosporine-induced nephrotoxicity

Optical Rotation: $[\alpha]_D -58.6$ (c, 1 in $CHCl_3$)

Calculated Log P Data: Log P 2.66 (calc)

References:

Eur. Pat., 1982, *Ortho*, 66 475; *CA*, **98**, 160515y, (synth, pharmacol)

Shriver, D.A. *et al.*, *Arzneim.-Forsch.*, 1985, **35**, 839, (pharmacol)

Scand. J. Gastroenterol., Suppl. 164, 1989, **24**, 1, (synth, pharmacol, tox, rev)

Metz-Kurschel, U. *et al.*, *Transplant. Proc.*, 1990, **22**, 1713, (use)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1159