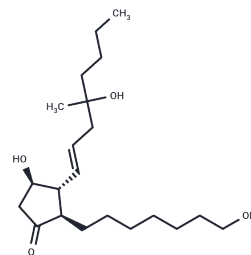


Rioprostil

Chemical Properties

CAS No. :	77287-05-9
Formula:	C ₂₁ H ₃₈ O ₄
Molecular Weight:	354.52
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Rioprostil is a methyl prostaglandin E1 analog that decreases gastric acid secretion and enhances the gastric mucus-bicarbonate barrier. It is effective in the treatment of gastric ulcers and gives significant protection against NSAID-induced gastric mucosal damage. The drug also prevents cyclosporin A-induced damage to endocrine and exocrine pancreatic secretions.
Targets(IC50)	Others,Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8207 mL	14.1036 mL	28.2072 mL
5 mM	0.5641 mL	2.8207 mL	5.6414 mL
10 mM	0.2821 mL	1.4104 mL	2.8207 mL
50 mM	0.0564 mL	0.2821 mL	0.5641 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Cohen A, Tolman KG, Lewis GP, Brown S, van Horn A, McCormack GH, Simon DM. The antigastrolesive activity of rioprostil, a 16-methyl prostaglandin-E1 analogue in healthy volunteers. *Scand J Gastroenterol Suppl.* 1989;164: 81-90; discussion 90-1. PubMed PMID: 2510286.

Boucekkine T, Meknini B, Bitoun A, Prunières F, Khedis A, de Lauture D, Rotenberg A, Molinie C, Roux M, Gauthier A, et al. Treatment of duodenal ulcer with rioprostil: a randomized multicentre double-blind study. *Scand J Gastroenterol Suppl.* 1989;164:191-3. PubMed PMID: 2510266.

Fischer S, Schweer H, Kraft H, Weber P. Pharmacokinetics of rioprostil in human plasma as assayed by combined capillary gas chromatography-negative ion chemical ionization mass spectrometry. *Scand J Gastroenterol Suppl.* 1989;164:59-61; discussion 61-2. PubMed PMID: 2510282.

Corsing C, Demol P. Drug safety of rioprostil in patients with active gastric or duodenal ulcer. *Scand J Gastroenterol Suppl.* 1989;164:232-7; discussion 237-8. PubMed PMID: 2510274.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481