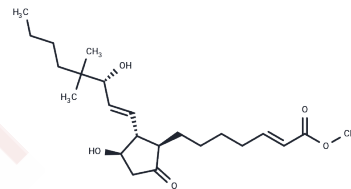


Gemeprost

Chemical Properties

CAS No. :	64318-79-2
Formula:	C ₂₃ H ₃₈ O ₅
Molecular Weight:	394.54
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	Gemeprost, an analog of prostaglandin E1, is used for the treatment of obstetric bleeding. It is used to terminate pregnancy up to 24 weeks gestation together with mifepristone.
Targets(IC50)	Others, Prostaglandin Receptor

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5346 mL	12.673 mL	25.346 mL
5 mM	0.5069 mL	2.5346 mL	5.0692 mL
10 mM	0.2535 mL	1.2673 mL	2.5346 mL
50 mM	0.0507 mL	0.2535 mL	0.5069 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

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Domröse CM, Geipel A, Berg C, Lorenzen H, Gembruch U, Willruth A. Second- and third-trimester termination of pregnancy in women with uterine scar - a retrospective analysis of 111 gemeprost-induced terminations of pregnancy after previous cesarean delivery. *Contraception.* 2012 Jun;85(6):589-94. doi: 10.1016/j.contraception.2011.10.005. Epub 2011 Nov 12. PubMed PMID: 22079607.

Wong KS, Ngai CS, Wong AY, Tang LC, Ho PC. Vaginal misoprostol compared with vaginal gemeprost in termination of second trimester pregnancy. A randomized trial. *Contraception.* 1998 Oct;58(4):207-10. PubMed PMID: 9866000.

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