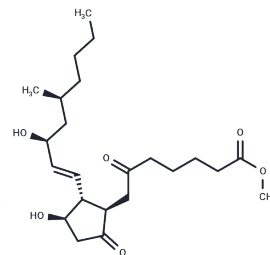


## Ornoprostil

## Chemical Properties

CAS No. :	70667-26-4
Formula:	C <sub>23</sub> H <sub>38</sub> O <sub>6</sub>
Molecular Weight:	410.54
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	Ornoprostil, a prostaglandin E1 analogue, acts as a mucosal protectant.
Targets(IC50)	Others

## 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	2.4358 mL	12.1791 mL	24.3582 mL
5 mM	0.4872 mL	2.4358 mL	4.8716 mL
10 mM	0.2436 mL	1.2179 mL	2.4358 mL
50 mM	0.0487 mL	0.2436 mL	0.4872 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

Fujiyama N, Shitara Y, Horie T. The mechanism of the down-regulation of hepatic transporters in rats with indomethacin-induced intestinal injury. *Dig Dis Sci.* 2013 Jul;58(7):1891-8. doi: 10.1007/s10620-013-2587-z. Epub 2013 Feb 27. PubMed PMID: 23443493.

Nagase K, Hiwatashi N, Ito K, Maekawa H, Noguchi M, Kinouchi Y, Toyota T. [Effects of NSAIDs and PGE1 analogue on the permeability of human small intestine]. *Nihon Shokakibyo Gakkai Zasshi.* 1997 Jul;94(7):469-74. Japanese. PubMed PMID: 9277110.

Arakawa T, Watanabe T, Fukuda T, Higuchi K, Takaishi O, Yamasaki K, Kobayashi K, Tarnawski A. Indomethacin treatment during initial period of acetic acid-induced rat gastric ulcer healing promotes persistent polymorphonuclear cell-infiltration and increases future ulcer recurrence. Possible mediation of prostaglandins. *Dig Dis Sci.* 1996 Oct;41(10):2055-61. PubMed PMID: 8888721.

Matsuhashi N, Yamada A, Hiraishi M, Konishi T, Minota S, Saito T, Sugano K, Yazaki Y, Mori M, Shiga J. Multiple strictures of the small intestine after long-term nonsteroidal anti-inflammatory drug therapy. *Am J Gastroenterol.* 1992 Sep;87(9):1183-6. PubMed PMID: 1519577.

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