

## Misoprostol acid

## Chemical Properties

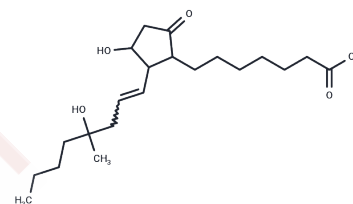
CAS No. : 112137-89-0

Formula: C<sub>21</sub>H<sub>36</sub>O<sub>5</sub>

Molecular Weight: 368.51

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	Misoprostol acid, an active metabolite of Misoprostol, is used for treating non-steroidal anti-inflammatory drug-induced (NSAID) gastric ulcers.
Targets(IC50)	Others, Prostaglandin Receptor
In vivo	Misoprostol is used worldwide for a variety of indications in obstetrics and gynecology. Misoprostol has both gastric antisecretory and mucosal protective effects[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7136 mL	13.5682 mL	27.1363 mL
5 mM	0.5427 mL	2.7136 mL	5.4273 mL
10 mM	0.2714 mL	1.3568 mL	2.7136 mL
50 mM	0.0543 mL	0.2714 mL	0.5427 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

Vijaya Bharathi D, et al. Development and validation of highly sensitive method for determination of misoprostol free acid in human plasma by liquid chromatography-electrospray ionization tandem mass spectrometry: application to a clinical pharmacokinetic study. J Chromatogr B Analyt Technol Biomed Life Sci. 2011 Sep 15;879 (26):2827-33.

Schmidt-Hansen M, et al. Simultaneous compared to interval administration of mifepristone and misoprostol for medical abortion up to 10+0 weeks' gestation: a systematic review with meta-analyses. BMJ Sex Reprod Health. 2020 Feb 20. pii: bmjsrh-2019-200448.

**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