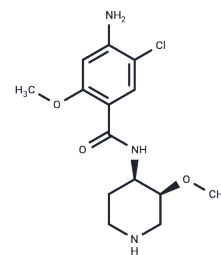


Ticalopride

Chemical Properties

CAS No. :	202590-69-0
Formula:	C ₁₄ H ₂₀ ClN ₃ O ₃
Molecular Weight:	313.78
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	Ticalopride is a 5-HT ₃ receptor agonist used in the treatment of digestive disorders, orofacial disorders, otorhinolaryngologic disorders, and may be used in the study of bulimia nervosa, gastroesophageal reflux, and irritable bowel syndrome.
Targets(IC ₅₀)	5-HT Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (175.28 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1869 mL	15.9347 mL	31.8695 mL
5 mM	0.6374 mL	3.1869 mL	6.3739 mL
10 mM	0.3187 mL	1.5935 mL	3.1869 mL
50 mM	0.0637 mL	0.3187 mL	0.6374 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

- Shao L, et al. mu-Opioid/5-HT₄ dual pharmacologically active agents-efforts towards an effective opioid analgesic with less GI and respiratory side effects (Part I). *Bioorg Med Chem Lett*. 2009;19(19):5679-5683.
- Cisternino S, et al. Determination of cisapride and norcisapride in human plasma using high-performance liquid chromatography with ultraviolet detection. *J Chromatogr B Biomed Sci Appl*. 1998;714(2):395-398.

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