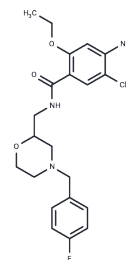


## Mosapride

## Chemical Properties

CAS No. :	112885-41-3
Formula:	C <sub>21</sub> H <sub>25</sub> ClFN <sub>3</sub> O <sub>3</sub>
Molecular Weight:	421.89
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	Mosapride (AS-4370) is a selective 5HT4 agonist
Targets(IC50)	5-HT Receptor, Cytochromes P450, Potassium Channel

## Solubility Information

Solubility	DMSO: 37.04 mg/mL (87.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (11.85 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3703 mL	11.8514 mL	23.7029 mL
5 mM	0.4741 mL	2.3703 mL	4.7406 mL
10 mM	0.237 mL	1.1851 mL	2.3703 mL
50 mM	0.0474 mL	0.237 mL	0.4741 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

Odaka T, et al. Serotonin 5-HT<sub>4</sub> receptor agonist (mosapride citrate). Nihon Rinsho. 2006 Aug;64(8):1491-4.

Tack J, et al. Systematic review: cardiovascular safety profile of 5-HT<sub>4</sub> agonists developed for gastrointestinal disorders. Aliment Pharmacol Ther. 2012 Apr;35(7):745-67.

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