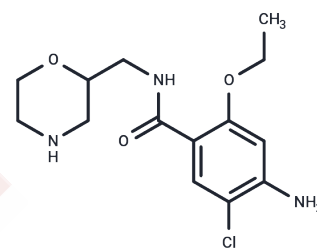


Des-4-fluorobenzyl Mosapride

Chemical Properties

CAS No. :	152013-26-8
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	Des-4-fluorobenzyl Mosapride, the main metabolite of mosapride, acts as a gastroprokinetic agent improving upper gastrointestinal (GI) motility by stimulating the serotonin receptor 4 (5-HT ₄ ; EC ₅₀ = 74.2 nM, in guinea pig ileal longitudinal muscle myenteric plexus). It has been shown to increase colonic motility in dogs, horses, and guinea pigs in vivo. Mosapride, including this metabolite, is utilized in human and veterinary medicine to mitigate post-surgical and Parkinson's-induced constipation.
Targets(IC50)	Others,5-HT Receptor

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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