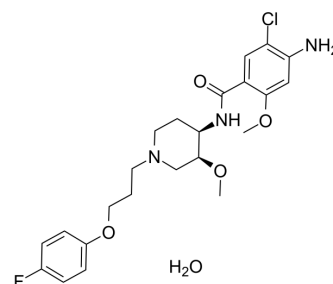


Cisapride monohydrate

Cat. No.:	HY-14149A
CAS No.:	260779-88-2
Molecular Formula:	C ₂₃ H ₃₁ ClFN ₃ O ₅
Molecular Weight:	483.96
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cisapride monohydrate is an orally and potent 5-HT ₄ receptor agonist and hERG inhibitor. Cisapride monohydrate is a prokinetic agent which facilitates or restores motility throughout the length of the gastrointestinal tract. Cisapride monohydrate stimulates gastrointestinal motor activity through an indirect mechanism involving the release of acetylcholine mediated by postganglionic nerve endings in the myenteric plexus of the gut ^{[1][2]} .
IC ₅₀ & Target	5-HT ₄ Receptor 0.14 μM (EC ₅₀)

CUSTOMER VALIDATION

- ACS Omega. 2020 Nov 15;5(46):29935-29942.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Wiseman, L.R., Faulds, D. Cisapride. *Drugs* 47, 116–152 (1994).

[2]. Toga T, et al. The 5-HT₄ agonists cisapride, mosapride, and CJ-033466, a Novel potent compound, exhibit different human ether-a-go-go-related gene (hERG)-blocking activities. *J Pharmacol Sci.* 2007 Oct;105(2):207-10.

Caution: Product has not been fully validated for medical applications. For research use only.

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