



Product Information

Product ID R0349

CAS No. 132036-88-5

Chemical Name

Synonym

Formula $C_{17}H_{17}N_3O$

Formula Wt. 279.34

Melting Point

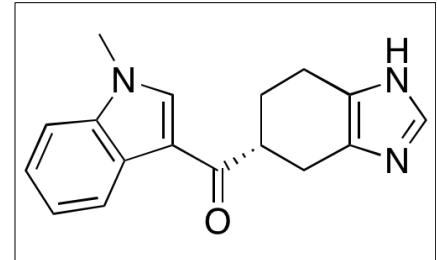
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Ramosetron is an inhibitor of 5-HT₃ receptors that is currently in clinical trials as a treatment for chemotherapeutic-induced or postoperative nausea and vomiting; it also treats inflammatory bowel syndrome (IBS). Ramosetron exhibits antiemetic and anti-inflammatory activities. Ramosetron inhibits 5-fluorouracil-induced inflammation and mucositis, decreasing expression of IL-6, TNF- α , and IL-1 β , decreasing activation of caspases 3 and 8, and preventing apoptosis; this results in decreased body weight loss and disease severity. This compound also allows gastrointestinal transit and inhibits stress-induced abnormal defecation in vivo.



Bulk quantities available upon request

Product ID	Size
R0349	5 mg
R0349	10 mg
R0349	25 mg
R0349	100 mg

References Kim WJ, Kang H, Shin HY, et al. Ramosetron, midazolam, and combination of ramosetron and midazolam for prevention of postoperative nausea and vomiting: a prospective, randomized, double-blind study. *J Int Med Res.* 2013 Aug;41(4):1203-13. PMID: 23766412.

Park YM, Lee YJ, Lee YH, et al. Effects of ramosetron on gastrointestinal transit of Guinea pig. *J Neurogastroenterol Motil.* 2013 Jan;19(1):36-41. Erratum in: *J Neurogastroenterol Motil.* 2013;19(2):275. PMID: 23350045.

Yasuda M, Kato S, Yamanaka N, et al. 5-HT₃ receptor antagonists ameliorate 5-fluorouracil-induced intestinal mucositis by suppression of apoptosis in murine intestinal crypt cells. *Br J Pharmacol.* 2013 Mar;168(6):1388-400. PMID: 23072534.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.