



LKT Laboratories, Inc.

Ramosetron

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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

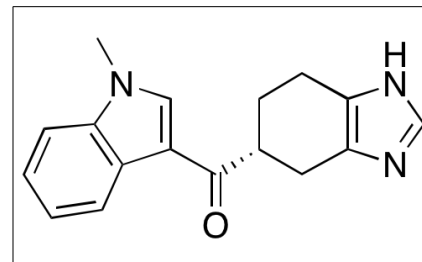
Purity $\geq 99\%$

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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
R0349	5 mg	\$102.10
R0349	10 mg	\$166.20
R0349	25 mg	\$383.20
R0349	100 mg	\$995.00

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.