LKT Laboratories, Inc.

Itopride Hydrochloride

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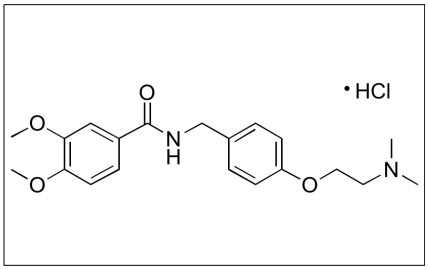
Product Information

Product ID I7757
CAS No. 122892-31-3
Chemical Name N-[[4-(2-dimethylaminoethoxy)phenyl]methyl]-3,4- dimethoxy-benzamide
Synonym



Formula $C_{20}H_{26}N_2O_4$ HCl
Formula Wt. 394.88
Melting Point 191-195°C
Purity ≥98%
Solubility Soluble in water or methanol. Sparingly soluble in acetic acid.
Store Temp Ambient
Ship Temp Ambient

Bulk quanitites available upon request

Product ID	Size
I7757	250 mg
I7757	1 g
I7757	5 g
I7757	25 g

Description Itopride is an inhibitor of acetylcholinesterase (AChE) and D2 receptors; it exhibits prokinetic gastrointestinal motility modulating activity. Itopride is clinically used to treat functional dyspepsia and gastroesophageal reflux disease (GERD). Itopride inhibits lower esophageal sphincter relaxation.

References

Huang X, Lv B, Zhang S, et al. Itopride therapy for functional dyspepsia: a meta-analysis. World J Gastroenterol. 2012 Dec 28;18 (48):7371-7. PMID: 23326147.

Scarpellini E, Vos R, Blondeau K, et al. The effects of itopride on oesophageal motility and lower oesophageal sphincter function in man. Aliment Pharmacol Ther. 2011 Jan;33(1):99-105. PMID: 21083582.

Lim HC, Kim YG, Lim JH, et al. Effect of itopride hydrochloride on the ileal and colonic motility in guinea pig in vitro. Yonsei Med J. 2008 Jun 30;49(3):472-8. PMID: 18581598.

Fujitsuka N, Asakawa A, Hayashi M, et al. Selective serotonin reuptake inhibitors modify physiological gastrointestinal motor activities via 5-HT2c receptor and acyl ghrelin. Biol Psychiatry. 2009 May 1;65(9):748-759. PMID: 19058784.