



LKT Laboratories, Inc.

Domperidone

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID D5649

CAS No. 57808-66-9

Chemical Name 5-Chloro-1-[1-[3-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)propyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one

Synonym Euciton, Evoxin, Mod, Motilium, Nnauzelin: Peridon, Peridys

Formula C₂₂H₂₄ClN₅O₂

Formula Wt. 425.91

Melting Point 242.5 °C

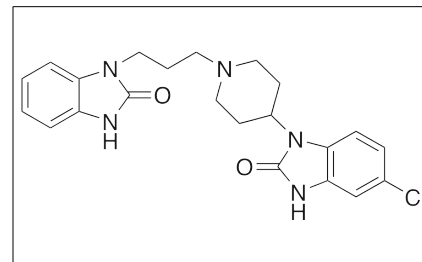
Purity ≥98%

Solubility Slightly soluble in water (0.986 mg/L). soluble in dimethylformamide, slightly soluble in alcohol and in methanol

Store Temp Ambient

Ship Temp Ambient

Description Domperidone is an antagonist at D₂/3 receptors that is clinically used to treat nausea, induce prolactin release, and increase gastrointestinal transit speed. Domperidone exhibits antiemetic, antinociceptive, analgesic, and prokinetic gastrointestinal motility modulating activities. In animals undergoing the formalin test, domperidone decreases overall pain score. Domperidone also inhibits human ether-a-go-go-related (hERG) K⁺ channel currents, prolonging the QT interval.



Bulk quantities available upon request

Product ID	Size
D5649	50 mg
D5649	250 mg
D5649	1 g

References Claassen S, Zünkler BJ. Comparison of the effects of metoclopramide and domperidone on hERG channels. *Pharmacology*. 2005 Apr;74(1):31-6. PMID: 15640612.

Sivasanker M, Reddy PM, Shashindran CH, et al. Formalin assay parameters differ in confirming the antinociceptive mechanism of domperidone in mice. *Indian J Exp Biol*. 2004 Apr;42(4):429-31. PMID: 15088695.

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