



LKT Laboratories, Inc.

Ondansetron Hydrochloride Dihydrate

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Product Information

Product ID O5212

CAS No. 103639-04-9

Chemical Name 1,2,3,9-Tetrahydro-9-methyl-3-[(2-methyl-1H-imidazol-1-yl)methyl]-4H-carbazol-4-one hydrochloride dihydrate

Synonym Zofran, Zophren

Formula $C_{18}H_{19}N_3O \cdot HCl \cdot 2H_2O$

Formula Wt. 365.86

Melting Point 178.5-179.5°C

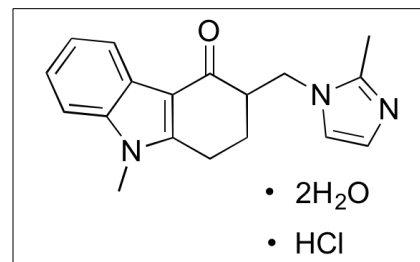
Purity ≥98%

Solubility Soluble in water.

Store Temp -20°C

Ship Temp Ambient

Description Ondansetron exhibits antiemetic, antidepressant, and anxiolytic activities; it is an antagonist at 5-HT₃ receptors. Through downstream effects on 5-HT signaling, ondansetron decreases immobility time in the forced swim test and increases open arm entries in the elevated plus maze.



Bulk quantities available upon request

Product ID	Size
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O5212	25 mg
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O5212	100 mg
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O5212	500 mg
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References Kurhe Y, Radhakrishnan M, Gupta D. Ondansetron attenuates depression co-morbid with obesity in obese mice subjected to chronic unpredictable mild stress; an approach using behavioral battery tests. *Metab Brain Dis.* 2014 Jun 27. [Epub ahead of print]. PMID: 24964970.

Rojas C, Raje M, Tsukamoto T, et al. Molecular mechanisms of 5-HT₃ and NK(1) receptor antagonists in prevention of emesis. *Eur J Pharmacol.* 2014 Jan 5;722:26-37. PMID: 24184669.

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