



LKT Laboratories, Inc.

Mivacurium

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Product Information

Product ID M3584

CAS No. 106861-44-3

Chemical Name

Synonym

Formula $C_{58}H_{80}N_2O_{14}Cl_2$

Formula Wt. 1100.18

Melting Point

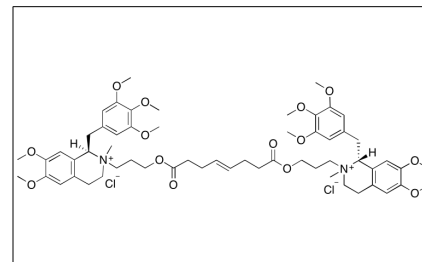
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Mivacurium is a non-depolarizing, reversible neuromuscular junction blocker. Mivacurium acts as an anesthetic, inhibiting pre-synaptic nicotinic acetylcholine receptors (nAChRs) in neurons and muscle. Mivacurium exhibits a rapid onset and short duration of action. This compound also displays anti-fibrillatory/anti-arrhythmic activity, as its inhibition of signaling in the parasympathetic nervous system prevents atrial fibrillation in animal models.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M3584	25 mg	\$122.70
M3584	100 mg	\$383.20
M3584	500 mg	\$985.00

References Patterson E, Lu Z, Lin J, et al. Antifibrillatory properties of mivacurium in a canine model of atrial fibrillation. J Cardiovasc Pharmacol. 2008 Mar;51(3):293-303. PMID: 18356695.

Jonsson M, Gurley D, Dabrowski M, et al. Distinct pharmacologic properties of neuromuscular blocking agents on human neuronal nicotinic acetylcholine receptors: a possible explanation for the train-of-four fade. Anesthesiology. 2006 Sep;105(3):521-33. PMID: 16931985.

Feldman SA, Wu X, England A. Rate of 'onset' and 'offset' of four non-depolarising neuromuscular blocking drugs. Anaesthesia. 1995 Jun;50(6):510-3. PMID: 7618664.

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