



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

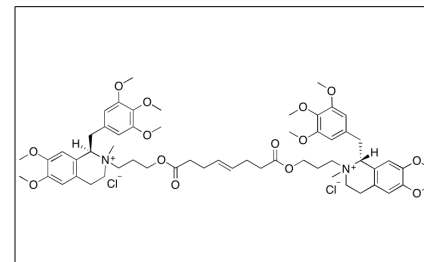
Purity  $\geq 98\%$

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.



**Bulk quantities available upon request**

Product ID	Size
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M3584	25 mg
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M3584	100 mg
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M3584	500 mg
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**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.