



LKT Laboratories, Inc.
Darifenacin Hydrobromide

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Product Information

Product ID D0169

CAS No. 133099-07-7

Chemical Name

Synonym Darifenacin hydrobromide

Formula C₂₈H₃₀N₂O₂ • HBr

Formula Wt. 507.46

Melting Point 228-230 °C

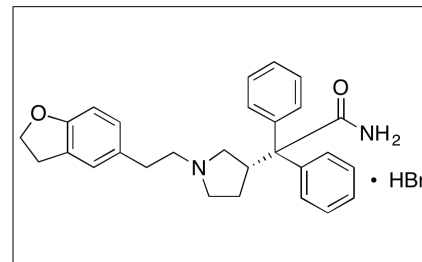
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Darifenacin is an inhibitor of M3 muscarinic acetylcholine receptors (mAChRs) that is used to treat overactive bladder. Darifenacin's inhibition of M3 mAChRs inhibits smooth muscle contraction, potentially involving downstream modulation of PLC and PKA signaling.



Bulk quantities available upon request

Product ID	Size
D0169	10 mg
D0169	25 mg
D0169	100 mg

References Matsumoto Y, Miyazato M, Yokoyama H, et al. Role of M2 and M3 muscarinic acetylcholine receptor subtypes in activation of bladder afferent pathways in spinal cord injured rats. *Urology*. 2012 May;79(5):1184.e15-20. PMID: 22386753.

Hegde SS. Muscarinic receptors in the bladder: from basic research to therapeutics. *Br J Pharmacol*. 2006 Feb;147 Suppl 2:S80-7. PMID: 16465186.

Braverman AS, Tibb AS, Ruggieri MR Sr. M2 and M3 muscarinic receptor activation of urinary bladder contractile signal transduction. I. Normal rat bladder. *J Pharmacol Exp Ther*. 2006 Feb;316(2):869-74. PMID: 16243961.

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