



LKT Laboratories, Inc.

Dapoxetine Hydrochloride

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Product Information

Product ID D0263

CAS No. 129938-20-1

Chemical Name

Synonym

Formula $C_{21}H_{23}NO \cdot HCl$

Formula Wt. 341.87

Melting Point 180-182°C

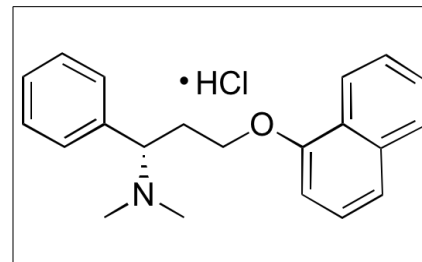
Purity $\geq 99\%$

Solubility Soluble in DMSO (68 mg/ml at 25° C), chloroform, methanol, water (68 mg/ml at 25° C), and ethanol (68 mg/ml at 25° C).

Store Temp Ambient

Ship Temp Ambient

Description Dapoxetine hydrochloride was initially designed as an antidepressant but was found more beneficial in the treatment of premature ejaculation due to its lack of significant effects on mood and quick adsorption and elimination kinetics. Dapoxetine is a centrally-acting SSRI that modulates serotonin levels in relevant areas such as the lateral paragigantocellular nucleus through inhibition of the serotonin transporter (SERT). This compound also decreases peak amplitude and accelerates the decay rate of current inactivation in a variety of voltage-gated K⁺ channels.



Bulk quantities available upon request

Product ID	Size
D0263	10 mg
D0263	50 mg
D0263	100 mg

References McMahon CG. Dapoxetine: a new option in the medical management of premature ejaculation. *Ther Adv Urol.* 2012 Oct;4(5):233-51. PMID: 23024705.

Jeong I, Yoon SH, Hahn SJ. Effects of dapoxetine on cloned Kv1.5 channels expressed in CHO cells. *Naunyn Schmiedeberg Arch Pharmacol.* 2012 Jul;385(7):707-16. PMID: 22568341.

Jeong I, Kim SW, Yoon SH, et al. Block of cloned Kv4.3 potassium channels by dapoxetine. *Neuropharmacology.* 2012 Jun;62(7):2261-6. PMID: 22192593.

Clément P, Bernabé J, Gengo P, et al. Supraspinal site of action for the inhibition of ejaculatory reflex by dapoxetine. *Eur Urol.* 2007 Mar;51(3):825-32. PMID: 17064843.

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