



# LKT Laboratories, Inc.

## Dapiprazole Hydrochloride

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### Product Information

Product ID D0262

CAS No. 72822-13-0

Chemical Name

Synonym

Formula  $C_{19}H_{27}N_5 \cdot HCl$

Formula Wt. 361.91

Melting Point

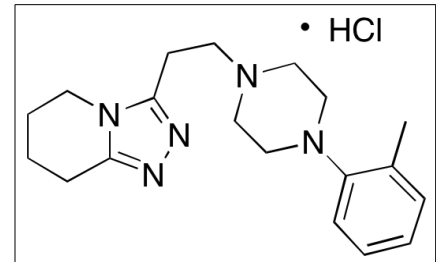
Purity  $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

**Description** Dapiprazole is an  $\alpha_1$ -adrenergic antagonist that displays preference for  $\alpha_{1A}$  and  $\alpha_{1D}$  receptors over  $\alpha_{1B}$  receptors. Dapiprazole is used as a miotic compound, evoking pupillary constriction and reversing mydriasis or dilation. Additionally, dapiprazole decreases mean intraocular pressure in patients with glaucoma. Dapiprazole also decreases pigment shedding and increases outflow facility and pigment clearance in patients with pigmentary glaucoma.



**Bulk quantities available upon request**

Product ID	Size
D0262	10 mg
D0262	25 mg
D0262	100 mg

**References** Eltze M. Affinity of the miotic drug, dapiprazole, at alpha 1-adrenoceptor subtypes A, B and D. J Pharm Pharmacol. 1997 Nov;49(11):1091-5. PMID: 9401944.

Hogan TS, McDaniel DD, Bartlett JD, et al. Dose-response study of dapiprazole HCl in the reversal of mydriasis induced by 2.5% phenylephrine. J Ocul Pharmacol Ther. 1997 Aug;13(4):297-302. PMID: 9261765.

Mastropasqua L, Carpineto P, Ciancaglini M, et al. The usefulness of dapiprazole, an alpha-adrenergic blocking agent, in pigmentary glaucoma. Ophthalmic Surg Lasers. 1996 Sep;27(9):806-9. PMID: 8878205.

Mastropasqua L, Carpineto P, Ciancaglini M, et al. Effect of dapiprazole, an alpha-adrenergic blocking agent, on aqueous humor dynamics in pigmentary glaucoma. Ophthalmic Res. 1996;28(5):312-8. PMID: 8979280.

Nyman N, Reich L. The effect of dapiprazole on accommodative amplitude in eyes dilated with 0.5 percent tropicamide. J Am Optom Assoc. 1993 Sep;64(9):625-8. PMID: 7901257.

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