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**Product Data Sheet**

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Product Name: Terodiline hydrochloride

Cat. No.: GC39186

**Chemical Properties**

Cas. No. 7082-21-5

SMILES CC(NC(C)(C)C)CC(C1=CC=CC=C1)C2=CC=CC=C2.[H]ClFormula C<sub>20</sub>H<sub>28</sub>ClN M.Wt 317.9

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Terodiline hydrochloride is an M1-selective muscarinic receptor (mAChR) antagonist with K<sub>b</sub>s of 15, 160, 280, and 198 nM in rabbit vas deferens (M1), atria (M2), bladder (M3) and ileal muscle (M3), respectively. Terodiline hydrochloride also is a Ca<sup>2+</sup> blocker. Terodiline hydrochloride acts as a treatment for urinary frequency and urge incontinence[1].

[1]. Noronha-Blob L, et al. (+/-)-Terodiline: an M1-selective muscarinic receptor antagonist. In vivo effects at muscarinic receptors mediating urinary bladder contraction, mydriasis and salivary secretion. Eur J Pharmacol. 1991 Aug 29;201(2-3):135-42.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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