Dapiprazole hydrochloride

Cat. No.: HY-A0142A

CAS No.: 72822-13-0

Molecular Formula: $C_{19}H_{28}ClN_5$

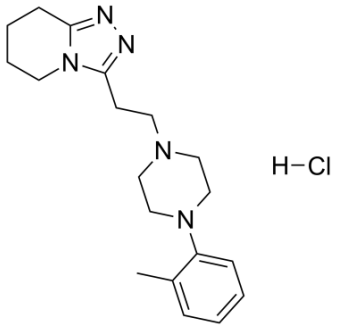
Molecular Weight: 361.91

Target: Adrenergic Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 31 mg/mL (85.66 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.7631 mL	13.8156 mL	27.6312 mL
5 mM	0.5526 mL	2.7631 mL	5.5262 mL
10 mM	0.2763 mL	1.3816 mL	2.7631 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Dapiprazole hydrochloride is a potent α-adrenergic blocking drug, which is used to reverse mydriasis after eye examination.(1) It inhibits amphetamine toxicity and alcohol and morphine withdrawal syndromes, produces sedation, blocks conditioned avoidance reflexes and reduces the response to noxious stimuli.(2) The orally administrated daily dose varied from 30 to 90 mg.

REFERENCES

[1]. Ramesh T et al.Development and validation of a stability-indicating RP-HPLC assay method and stress degradation studies ondapiprazole. J Chromatogr Sci. 2013 Oct;51(9):856-60.

[2]. Marx-Gross S et al. Brimonidine versus dapiprazole: Influence on pupil size at various illumination levels.J Cataract Refract Surg. 2005 Jul;31(7):1372-6.

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

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