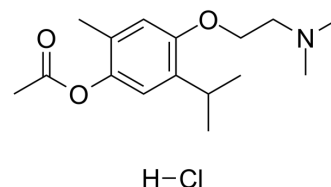


Moxisylyte hydrochloride

Cat. No.:	HY-B1435
CAS No.:	964-52-3
Molecular Formula:	C ₁₆ H ₂₆ ClNO ₃
Molecular Weight:	315.84
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 50 mg/mL (158.31 mM)
 DMSO : 20 mg/mL (63.32 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		3.1662 mL	15.8308 mL	31.6616 mL
	5 mM		0.6332 mL	3.1662 mL	6.3323 mL
	10 mM		0.3166 mL	1.5831 mL	3.1662 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (316.62 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2 mg/mL (6.33 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2 mg/mL (6.33 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2 mg/mL (6.33 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Moxisylyte (hydrochloride) is (alpha 1-blocker) antagonist, it can vasodilates cerebral vessels without reducing blood pressure. It is also used locally in the eye to reverse the mydriasis caused by phenylephrine and other sympathomimetic agents. [1][2]

REFERENCES

- [1]. Ryuji Sakakibara et al. Are alpha-blockers involved in lower urinary tract dysfunction in multiple system atrophy? A comparison of prazosin and moxisylyte. 2000, March, 15, Pages 191-195.
- [2]. Marquer C et al. Moxisylyte: a review of its pharmacodynamic and pharmacokinetic properties, and its therapeutic use in impotence. Fundam Clin Pharmacol, 1998, 12(4):377-87.
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Caution: Product has not been fully validated for medical applications. For research use only.

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