



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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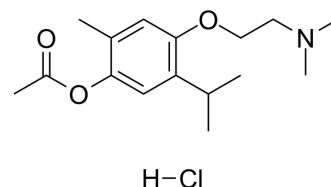
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## Moxisylyte hydrochloride

<b>Cat. No.:</b>	HY-B1435
<b>CAS No.:</b>	964-52-3
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>26</sub> ClNO <sub>3</sub>
<b>Molecular Weight:</b>	315.84
<b>Target:</b>	Adrenergic Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	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

H<sub>2</sub>O : ≥ 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]

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## REFERENCES

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- [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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