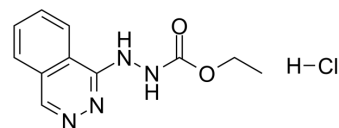


## Todralazine hydrochloride

<b>Cat. No.:</b>	HY-B1001A
<b>CAS No.:</b>	3778-76-5
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>13</sub> ClN <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	268.7
<b>Target:</b>	Adrenergic Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 125 mg/mL (465.20 mM; Need ultrasonic)					
	H <sub>2</sub> O : 14.29 mg/mL (53.18 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		3.7216 mL	18.6081 mL	37.2162 mL
<b>5 mM</b>			0.7443 mL	3.7216 mL	7.4432 mL	
	<b>10 mM</b>		0.3722 mL	1.8608 mL	3.7216 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.74 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.74 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.74 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Todralazine hydrochloride (Ecarazine hydrochloride) is an anti-hypertensive agent, acts as a β <sub>2</sub> AR blocker, with antioxidant and free radical scavenging activity <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	β <sub>2</sub> AR <sup>[1]</sup>

### REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA