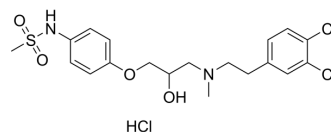


## AM-92016 hydrochloride

<b>Cat. No.:</b>	HY-101253
<b>CAS No.:</b>	133229-11-5
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>25</sub> Cl <sub>3</sub> N <sub>2</sub> O <sub>4</sub> S
<b>Molecular Weight:</b>	483.84
<b>Target:</b>	Potassium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 260 mg/mL (537.37 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	<b>Preparing Stock Solutions</b>			1 mg	5 mg	10 mg
		1 mM		2.0668 mL	10.3340 mL	20.6680 mL
		5 mM		0.4134 mL	2.0668 mL	4.1336 mL
	10 mM		0.2067 mL	1.0334 mL	2.0668 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: ≥ 2.17 mg/mL (4.48 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.17 mg/mL (4.48 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.17 mg/mL (4.48 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	AM-92016 hydrochloride is a specific blocker of rectifier potassium current (IK). AM-92016 hydrochloride delays rectifier potassium channel (IK), repolarizes the membrane thereby restricting the duration of the nerve impulse thereby restricting the duration of the nerve impulse <sup>[1]</sup> .
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### REFERENCES

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

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