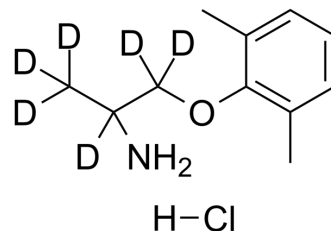


## Mexiletine-d<sub>6</sub> hydrochloride

<b>Cat. No.:</b>	HY-A0093S
<b>CAS No.:</b>	1329835-60-0
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>12</sub> D <sub>6</sub> ClNO
<b>Molecular Weight:</b>	221.76
<b>Target:</b>	Sodium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel
<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

DMSO : 50 mg/mL (225.47 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.5094 mL	22.5469 mL	45.0938 mL
	5 mM	0.9019 mL	4.5094 mL	9.0188 mL
	10 mM	0.4509 mL	2.2547 mL	4.5094 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Mexiletine-d<sub>6</sub> (hydrochloride) is a deuterium labeled Mexiletine hydrochloride (KOE-1173 hydrochloride). Mexiletine hydrochloride, a Class IB antiarrhythmic, is a non-selective voltage-gated sodium channel blocker[1].

### REFERENCES

[1]. Mori K, et al. Inhibitory effects of class I and IV antiarrhythmic drugs on the Na<sup>+</sup>-activated K<sup>+</sup> channel current in guinea pig ventricular cells. Naunyn Schmiedeberg Arch Pharmacol. 1998 Dec;358(6):641-8.

**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

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