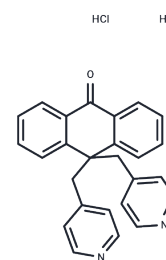


XE 991 dihydrochloride

Chemical Properties

CAS No. :	122955-13-9
Formula:	C ₂₆ H ₂₂ Cl ₂ N ₂ O
Molecular Weight:	449.37
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	XE 991 dihydrochloride is a Kv7 (KCNQ) channel blocker. XE 991 dihydrochloride potently inhibits Kv7.1 (KCNQ1), Kv7.2 (KCNQ2), Kv7.2 + Kv7.3 (KCNQ3) channel, and M-current (IC ₅₀ s: 0.75 μM, 0.71 μM, 0.6 μM, and 0.98 μM, respectively).
Targets(IC ₅₀)	Others,Potassium Channel

Solubility Information

Solubility	DMSO: 12 mg/mL (26.7 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2253 mL	11.1267 mL	22.2534 mL
5 mM	0.4451 mL	2.2253 mL	4.4507 mL
10 mM	0.2225 mL	1.1127 mL	2.2253 mL
50 mM	0.0445 mL	0.2225 mL	0.4451 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481