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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

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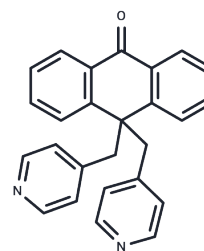
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XE991

Chemical Properties

CAS No. : 122955-42-4
 Formula: C₂₆H₂₀N₂O
 Molecular Weight: 376.45
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	XE991 is a novel and selective Kv7 (KCNQ) channel blocker. XE 991 dihydrochloride inhibits Kv7.1 (KCNQ1), Kv7.2 (KCNQ2), Kv7.2 + Kv7.3 (KCNQ3) channels, and M-current, and can be used for the study of neurological diseases.
Targets(IC50)	Potassium Channel
In vitro	XE991 and DMP 543 have EC50 values of 490 nM and 700 nM, respectively, for enhancing [3H] acetylcholine release from rat brain slices[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6564 mL	13.282 mL	26.564 mL
5 mM	0.5313 mL	2.6564 mL	5.3128 mL
10 mM	0.2656 mL	1.3282 mL	2.6564 mL
50 mM	0.0531 mL	0.2656 mL	0.5313 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.

Reference

Wang HS, et al. KCNQ2 and KCNQ3 potassium channel subunits: molecular correlates of the M-channel. Science. 1998 Dec 4;282(5395):1890-3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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