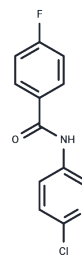


ZTZ240

Chemical Properties

CAS No. :	325457-98-5
Formula:	C ₁₂ H ₈ ClFN ₂ O
Molecular Weight:	250.66
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	ZTZ240 is a KCNQ2 channel activator used in the study of epilepsy.
Targets(IC50)	Potassium Channel
In vitro	A small opener molecule ZTZ240 recently discovered was used as a probe to determine by scanning mutagenesis the binding model of ligands in the KCNQ2 gating charge pathway. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9895 mL	19.9473 mL	39.8947 mL
5 mM	0.7979 mL	3.9895 mL	7.9789 mL
10 mM	0.3989 mL	1.9947 mL	3.9895 mL
50 mM	0.0798 mL	0.3989 mL	0.7979 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Huang Y, et al Voltage-gated potassium channels KCNQs: Structures, mechanisms, and modulations. *Biochem Biophys Res Commun.* 2023 Dec 31;689:149218.
- Chen F, Gao Q, Wei A, et al. Histone deacetylase 3 aberration inhibits Klotho transcription and promotes renal fibrosis. *Cell Death & Differentiation.* 2020: 1-12
- Kornilov P, et al. Channel gating pore: a new therapeutic target. *Cell Res.* 2013 Sep;23(9):1067-8.

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