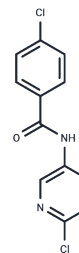


ICA 110381

Chemical Properties

CAS No. : 325457-99-6
 Formula: C₁₂H₈Cl₂N₂O
 Molecular Weight: 267.11
 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	ICA 110381 is a KCNQ2/Q3 potassium channel opener for the treatment of epilepsy
Targets(IC50)	Potassium Channel

Solubility Information

Solubility	DMSO: 14 mg/mL (52.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7438 mL	18.7189 mL	37.4378 mL
5 mM	0.7488 mL	3.7438 mL	7.4876 mL
10 mM	0.3744 mL	1.8719 mL	3.7438 mL
50 mM	0.0749 mL	0.3744 mL	0.7488 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

Amato G , Roeloffs R , Rigdon G C , et al. N-Pyridyl and Pyrimidine Benzamides as KCNQ2/Q3 Potassium Channel Openers for the Treatment of Epilepsy[J]. ACS Medicinal Chemistry Letters, 2011, 2(6):481.

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