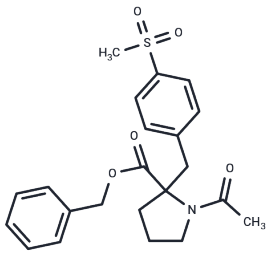
Data Sheet (Cat.No.T12504)

TargetMol

(+)-KCC2 blocker 1

Chemical Properties



CAS No. : 1228439-71-1

Formula: C22H25NO5S

Molecular Weight: 415.5

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	(+)-KCC2 blocker 1 is a selective inhibitor of KCC2 with an IC50 of 0.4 μM.
Targets(IC50)	Potassium Channel
In vitro	(+)-KCC2 blocker 1 is an enantiomer of KCC2 blocker 1 and possesses a 100-fold difference in potency compared to (-)-KCC2 blocker 1[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (120.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4067 mL	12.0337 mL	24.0674 mL
5 mM	0.4813 mL	2.4067 mL	4.8135 mL
10 mM	0.2407 mL	1.2034 mL	2.4067 mL
50 mM	0.0481 mL	0.2407 mL	0.4813 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

Pégurier C, et al. Benzyl prolinate derivatives as novel selective KCC2 blockers. Bioorg Med Chem Lett. 2010 Apr 15; 20(8):2542-5.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481