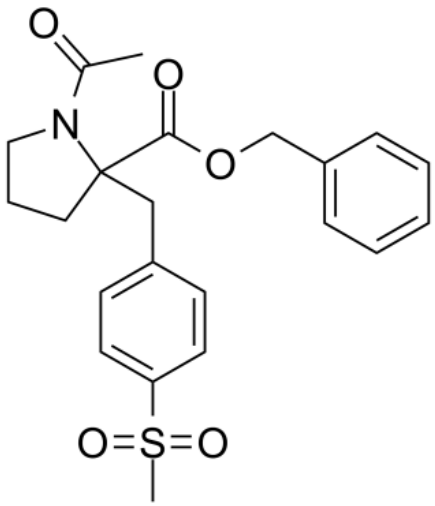
Product Data Sheet

Product Name: KCC2 blocker 1
Cat. No.: GC39553

Chemical Properties

Cas. No.	1228439-36-8		
SMILES	O=C(OCC1=CC=CC=C1)C2(CC3=CC=C(S(=O)(C)=O)C=C3)N(C(C)=O)CCC2		
Formula	$C_{22}H_{25}NO_5S$	M.Wt	415.5
Solubility	DMSO: 250 mg/mL (601.68 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

KCC2 blocker 1 is an orally active and selective K+-Cl- cotransporter KCC2 blocker with an IC50 of 1 μM. KCC2 blocker 1 is a benzyl prolinate and has antiepileptic effect[1].

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

Caution: Product has not been fully validated for medical applications. For research use only.
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