

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

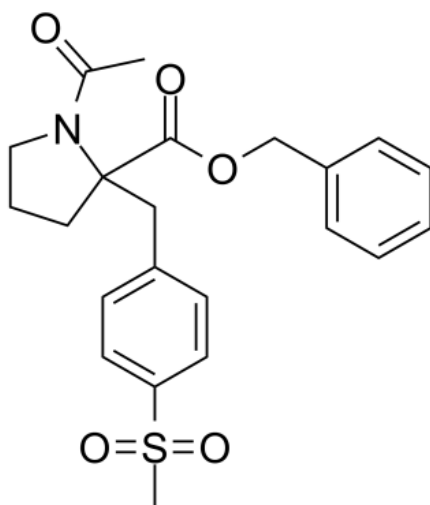
Formula $C_{22}H_{25}NO_5S$ M.Wt 415.5

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 prolinato and has antiepileptic effect[1].

[1]. PÉgurier C, et al. Benzyl prolinato 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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