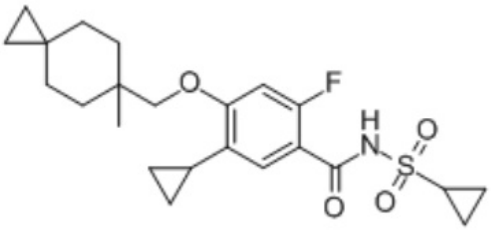
Product Data Sheet

Product Name: NaV1.7 inhibitor-1
Cat. No.: GC36698

Chemical Properties

Cas. No.	1494585-79-3		
SMILES	FC1=CC(OCC2(C)CCC3(CC3)CC2)=C(C4CC4)C=C1C(NS(C5CC5)(=O)=O)=O		
Formula	$C_{23}H_{30}FNO_4S$	M.Wt	435.55
Solubility	DMSO : 100 mg/mL (229.59 mM; ultrasonic and warming and heat to 60°C)	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

NaV1.7 inhibitor-1 is an efficacious voltage-gated sodium channel (NaV) 1.7 inhibitor with an IC50 of 0.6 nM for hNaV1.7, exhibits 80-fold selectivity versus hNaV1.5[1]. IC50: 0.6 nM (hNaV1.7)[1]

[1]. Sun S, Identification of Selective Acyl Sulfonamide-Cycloalkylether Inhibitors of the Voltage-GatedSodium Channel (NaV) 1.7 with Potent Analgesic Activity. J Med Chem. 2019 Jan

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