

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

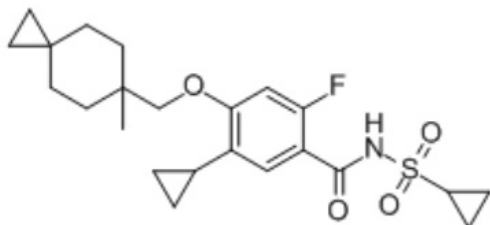
Formula $C_{23}H_{30}FNO_4S$ M.Wt 435.55

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-Gated Sodium 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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24;62(2):908-927.

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