
Product Data Sheet

Product Name: AMG8379

Cat. No.: GC39696

Chemical Properties

Cas. No. 1642112-31-9

SMILES O=S(NC1=NOC=C1)(C2=CC(C=CC(N3C4=C(OC)C=C(C(F)=C4)C5=CC(Cl)=CC(F)=C5)=O)=C3C=C2)=OFormula C₂₅H₁₆ClF₂N₃O₅S M.Wt 543.93

Solubility Soluble in DMSO 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 Condition, or blue ice upon request.

Structure **Background**

AMG8379 is a potent, orally active and selective sulfonamide antagonist of the voltage-gated sodium channel NaV1.7, with IC₅₀s of 8.5 and 18.6 nM for hNaV1.7 and mNaV1.7, respectively. AMG8379 potently and reversibly blocks endogenous Tetrodotoxin (TTX)-sensitive sodium channels in dorsal root ganglia (DRG) neurons with an IC₅₀ of 3.1 nM[1].

[1]. Kornecook TJ, et al. Pharmacologic Characterization of AMG8379, a Potent and Selective Small Molecule Sulfonamide Antagonist of the Voltage-Gated Sodium Channel NaV1.7. J Pharmacol Exp Ther. 2017 Jul;362(1):146-160.

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

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