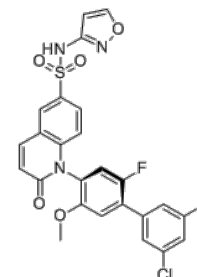


Product Name : AMG8379
Cat. No. : PC-60629
CAS No. : 1642112-31-9
Molecular Formula : C₂₅H₁₆ClF₂N₃O₅S
Molecular Weight : 543.926
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

AMG 8379 (AMG-8379, AMG8379) is a potent and selective voltage-gated sodium channel **Nav1.7** antagonist with IC₅₀ of 8.5 nM.

AMG 8379 potently blocks endogenous tetrodotoxin (TTX)-sensitive sodium channels in dorsal root ganglion (DRG) neurons with IC₅₀ of 3.1 nM in whole-cell patch clamp electrophysiology assays.

AMG 8379 displays 100- to 1000-fold selectivity over other NaV family members, including Nav1.4 and Nav1.5.

AMG 8379 blocks mechanically induced action potential firing in C-fibers, reduces the frequency of thermally induced C-fiber spiking.

AMG 8379 exhibits pharmacodynamic effects in translatable models of both itch and pain.

References

Kornecook TJ, et al. *J Pharmacol Exp Ther.* 2017 Jul;362(1):146-160.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com