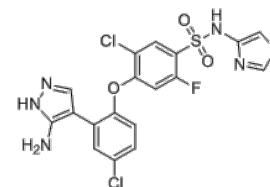


Product Name : PF-05089771
Cat. No. : PC-63166
CAS No. : 1235403-62-9
Molecular Formula : C₁₈H₁₂Cl₂FN₅O₃S₂
Molecular Weight : 500.344
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

PF-05089771 is a potent, state-dependent, subtype selective **Nav1.7** inhibitor with IC₅₀ of 11 nM, >1,000-fold selectivity over Nav1.3, 1.4 and Nav1.5, 1.8.

PF-05089771 interacts with the voltage-sensor domain (VSD) of domain IV, blocks all Nav1.7 splice variants with similar potency (5N11L, 5A11S, 5A11L and 5N11S, IC₅₀s=11=33 nM).

PF-05089771 displays high selectivity over L-type calcium channels, KvLQT and hERG potassium channels.

PF-05089771 demonstrates in vivo efficacy in a mouse capsaicin-induced neurogenic flare model.

References

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

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