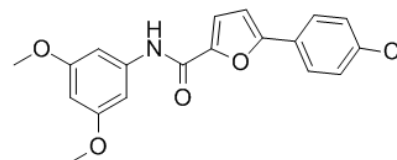


Product Name : A-803467
Cat. No. : PC-42804
CAS No. : 944261-79-4
Molecular Formula : C₁₉H₁₆ClNO₄
Molecular Weight : 357.7876
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

A-803467 (A803467) is a potent and selective **Nav1.8** sodium channel blocker with IC₅₀ of 8 nM. A-803467 displays >100-fold selectivity versus human Nav1.2, Nav1.3, Nav1.5, and Nav1.7 (IC₅₀s > 1 μM). A-803467 potently blocks tetrodotoxin-resistant currents (IC₅₀ = 140 nM) and the generation of spontaneous and electrically evoked action potentials in vitro in rat dorsal root ganglion neurons. A-803467 attenuates neuropathic and inflammatory pain in the rat.

References

- Jarvis MF, et al. *Proc Natl Acad Sci U S A*. 2007 May 15;104(20):8520-5.
McGaraughty S, et al. *J Pharmacol Exp Ther*. 2008 Mar;324(3):1204-11.
Joshi SK, et al. *J Pain*. 2009 Mar;10(3):306-15.

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

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