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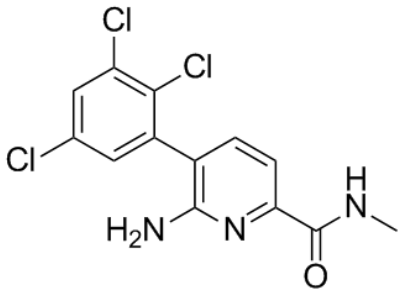
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	PF-01247324
Cat. No.	:	PC-42355
CAS No.	:	875051-72-2
Molecular Formula	:	$C_{13}H_{10}Cl_3N_3O$
Molecular Weight	:	330.597
Target	:	Sodium Channel
Solubility	:	DMSO: ≥ 30 mg/mL



Biological Activity

PF-01247324 is a potent, selective and orally active **Nav1.8** channel blocker with IC50 of 196 nM, inhibits native TTX-R currents in human DRG neurons with IC50 of 331 nM.
PF-01247324 displays >50-fold selectivity over Nav1.5, Nav1.2 and Nav1.7 channels.
PF-01247324 inhibits native TTX-R currents in small-diameter rodent DRG neurons with IC50 of 448 nM, reduces excitability in both rat and human DRG neurons and also alters the waveform of the action potential in vitro current clamp.
PF-01247324 demonstrates efficacy in both inflammatory and neuropathic pain models.

References

Payne CE, et al. ***Br J Pharmacol.*** 2015 May;172(10):2654-70.

Shields SD, et al. ***PLoS One***. 2015 Mar 6;10(3):e0119067.

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

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