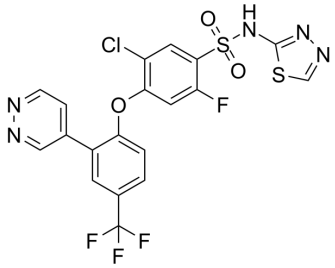
PF-05186462

Cat. No.:	HY-122001
CAS No.:	1235406-03-7
Molecular Formula:	$C_{19}H_{10}ClF_4N_5O_3S_2$
Molecular Weight:	531.89
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PF-05186462 is a potent and selective inhibitor of human Nav1.7 voltage-dependent sodium channel, with an IC_{50} of 21 nM. PF-05186462 shows significant selectivity for Nav1.7 versus other sodium channels (Nav 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, and 1.8). PF-05186462 can be used for the research of acute or chronic pain[1].
IC_{50} & Target	IC50: 21 nM (human Nav1.7)[1]
In Vitro	PF-05186462 inhibits human Nav1.7 channels (IC_{50}=21 nM) in HEK293 cells[1]. PF-05186462 exhibits a high plasma protein binding rate[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jones HM, et, al. Clinical Micro-Dose Studies to Explore the Human Pharmacokinetics of Four Selective Inhibitors of Human Nav1.7 Voltage-Dependent Sodium Channels. Clin Pharmacokinet. 2016 Jul;55(7):875-887.

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