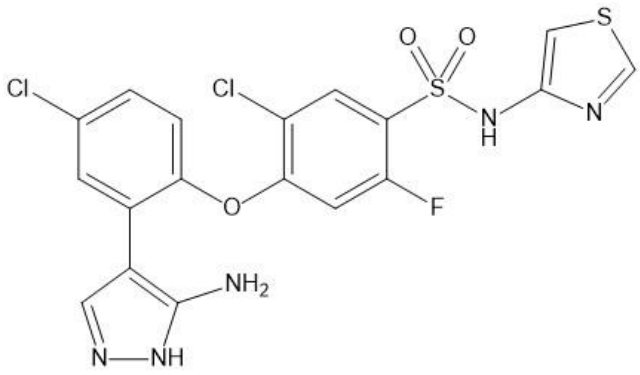
Tribioscience

PF-05089771, Nav1.7 inhibitor (selective)

Catalog	Unit
TBI3990-5MG	5 mg
TBI3990-25MG	25 mg

Product Details

Formal Name: 4-[2-(5-Amino-1H-pyrazol-4-yl)-4-chlorophenoxy]-5-chloro-2-fluoro-N-(1,3-thiazol-4-yl)benzenesulfonamide
Alternate Names: PF771
Molecular Formula: $C_{18}H_{12}Cl_2FN_5O_3S_2$
Formula Weight: 500.34
CAS Number: 1235403-62-9
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 25 mg/ml)
Storage: -20°C
Stability: ≥ 1 year.



Applications

Nav1.7 inhibitor (selective)

Functions

Potent and selective inhibitor of the voltage gated sodium channel 1.7 (Nav1.7). It is a state-dependent inhibitor with IC50 = 11 nM for the half-inactivated channels and IC50 ~ 10 µM for resting channels. Equipotent for human, monkey, dog, and mouse channels but 15x less potent for rat channels. Interacts equally with fast and slow inactivated Nav1.7 channels.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.

Tribioscience, Inc. | 365 San Aleso Ave, Sunnyvale, CA 94085 | Phone: 408-498-0197
info@tribioscience.com Fax: 650-618-5498 www.tribioscience.com