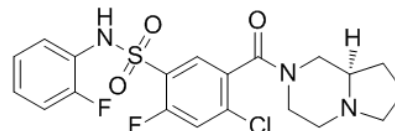


Product Name : ABT-639
Cat. No. : PC-45686
CAS No. : 1235560-28-7
Molecular Formula : C₂₀H₂₀ClF₂N₃O₃S
Molecular Weight : 455.9059
Target : Calcium Channel
Solubility : DMSO: 10 mg/mL



Biological Activity

ABT-639 is a novel, peripherally acting, selective **T-type calcium channel** blocker, blocks recombinant human Cav 3.2 in a voltage-dependent fashion (IC₅₀=2 μM).

ABT-639 attenuates LVA currents in rat DRG neurons (IC₅₀=8 μM).

ABT-639 is less active at other Ca²⁺ channels (IC₅₀> 30 μM).

ABT-639 effectively reduces nociceptive and neuropathic pain in rats; high oral bioavailability.

References

Jarvis MF, et al. *Biochem Pharmacol.* 2014 Jun 15;89(4):536-44.

Teleb M, et al. *Bioorg Med Chem.* 2017 Mar 15;25(6):1926-1938.

Serra J, et al. *Pain.* 2015 Nov;156(11):2175-83.

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

E-mail: tech@probechem.com