

Product Name	: ABT-639
Synonyms	: ABT639;ABT 639
Cat No.	: M10947
CAS Number	: 1235560-28-7
Molecular Formula	: C ₂₀ H ₂₀ ClF ₂ N ₃ O ₃ S
Formula Weight	: 455.91
Chemical Name	: Benzenesulfonamide, 4-chloro-2-fluoro-N-(2-fluorophenyl)-5-[[[(8aR)-hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl]carbonyl]-
Description	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 uM), attenuates LVA currents in rat DRG neurons (IC₅₀=8 uM); less active at other Ca²⁺ channels (IC₅₀> 30 uM); effectively reduces nociceptive and neuropathic pain in rats; high oral bioavailability. Pain Phase 2 Clinical
Pathway	: GPCR/G Protein
Target	: Calcium Channel
Receptor	: CalciumChannel
Solubility	: DMSO: 10 mg/mL
SMILES	: <chem>O=S(C1=CC(C(N2C[C@](CCC3)([H])N3CC2)=O)=C(Cl)C=C1F)(NC4=CC=CC=C4F)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jarvis MF, et al. Biochem Pharmacol. 2014 Jun 15;89(4):536-44.| 2. Teleb M, et al. Bioorg Med Chem. 2017 Mar 15;25(6):1926-1938.| 3. Serra J, et al. Pain. 2015 Nov;156(11):2175-83.