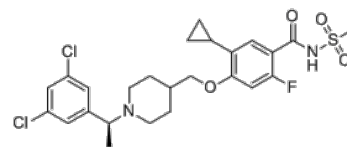


Product Name : GDC-0310
Cat. No. : PC-72191
CAS No. : 1788063-52-4
Molecular Formula : C₂₅H₂₉Cl₂FN₂O₄S
Molecular Weight : 543.475
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

GDC-0310 (GDC 0310) is a highly potent, selective **NaV1.7** inhibitor with IC₅₀ of with binding K_i of 1.8 nM (hNaV1.7), cellular sodium influx IC₅₀ of 16 nM.

GDC-0310 displays 94-fold selectivity over NaV1.5 (cellular sodium influx IC₅₀=1500nM), as well as 63-330-fold selectivity over NaV1.1/1.2/1.6 (potency measured by voltage clamp).

GDC-0310 showed a concentration dependent reduction in nociceptive events, with a EC₅₀ of 1.1 μM in inherited erythromelalgia (IEM) mouse model.

References

Brian S Safina, et al. *J Med Chem.* 2021 Mar 25;64(6):2953-2966.

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

E-mail: tech@probechem.com