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Data Sheet

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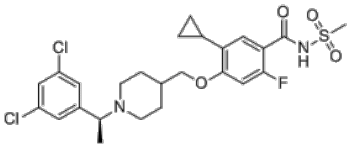
Product Name : GDC-0310
Cat. No. : PC-72191
CAS No. : 1788063-52-4
Molecular Formula : $C_{25}H_{29}Cl_2FN_2O_4S$
Molecular Weight : 543.475
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

GDC-0310 (GDC 0310) is a highly potent, selective **NaV1.7** inhibitor with IC50 of with binding Ki 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!

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