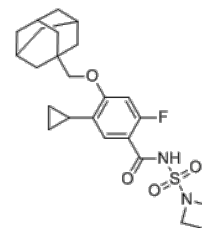


Product Name : GDC-0276
Cat. No. : PC-72192
CAS No. : 1494581-70-2
Molecular Formula : C₂₄H₃₁FN₂O₄S
Molecular Weight : 462.58
Target : Sodium Channel
Solubility : 10 mM in DMSO (4.6 mg/mL)



Biological Activity

GDC-0276 (GDC 0276) is a highly potent, selective **NaV1.7** inhibitor with IC₅₀ of with binding K_i of 1.1 nM (hNaV1.7), cellular sodium influx IC₅₀ of 49 nM.

GDC-0276 displays 18-fold selectivity over NaV1.5 (cellular sodium influx IC₅₀=870 nM), as well as 26-1200-fold selectivity over NaV1.1/1.2/1.6 (potency measured by voltage clamp).

GDC-0276 showed a concentration dependent reduction in nociceptive events, with a EC₅₀ of 1.7 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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