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Data Sheet

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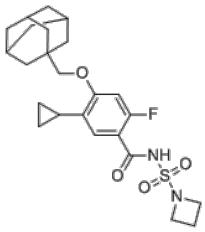
Product Name	:	GDC-0276
Cat. No.	:	PC-72192
CAS No.	:	1494581-70-2
Molecular Formula	:	$C_{24}H_{31}FN_2O_4S$
Molecular Weight	:	462.58
Target	:	Sodium Channel
Solubility	:	10 mM in DMSO (4.6 mg/mL)



Biological Activity

GDC-0276 (GDC 0276) is a highly potent, selective **NaV1.7** inhibitor with IC50 of with binding Ki 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.

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