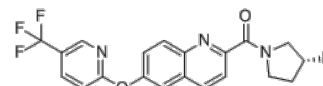


Product Name : ABBV-318
Cat. No. : PC-38662
CAS No. : 1802848-94-7
Molecular Formula : C₂₀H₁₅F₄N₃O₂
Molecular Weight : 405.353
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

ABBV-318 is a small molecule voltage-gated sodium channel **Nav1.7/ Nav1.8** blocker with IC₅₀ of 3.8 and 2.8 μ M for hNav1.7 and hNav1.8 in FRET assays, respectively.

ABBV-318 shows no activity (IC₅₀ > 30 μ M) at known cardiac liability channel Nav1.5, and lack of potency at Nav1.2, Nav1.4, and Nav1.6 (>30 μ M for all 3 channels in whole-cell patch clamp EP assay).

ABBV-318 displays robust in vivo efficacy in both inflammatory and neuropathic rodent models of pain.

References

Patel MV, et al. *Bioorg Med Chem.* 2022 Jun 1;63:116743.

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

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