

Product Datasheet

ABBV-318

Catalog No. **BP-02364** · CAS **1802848-94-7** · Form **free base** · Physical state **other** · Color **White to light yellow** · Version **1.0**
 · Revision **2026-09-10**

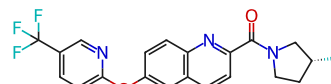
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Target Sodium Channel	Research area Neurological Disease
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Molecular formula **C₂₀H₁₅F₄N₃O₂**

Molecular weight **405.3456**

STRUCTURE



DESCRIPTION

ABBV-318 is a potent Nav1.7/ Nav1.8 blocker, with IC₅₀s of 2.8 μM and 3.8 μM for hNav1.7 and hNav1.8, respectively. ABBV-318 can be used for the research of pain.

BIOLOGICAL ACTIVITY

ABBV-318 is a CNS-penetrating oral inhibitor of Nav1.7/Nav1.8 with IC₅₀ values of 2.8 μM and 3.8 μM for hNav1.7 and hNav1.8, respectively, and is being developed for pain studies.

SOLUBILITY

Soluble in DMSO

In vitro DMSO 166.67 mg/mL

REFERENCES

[1]. Patel MV, et, al. Discovery of (R)-(3-fluoropyrrolidin-1-yl)(6-((5-(trifluoromethyl)pyridin-2-yl)oxy)quinolin-2-yl)methanone (ABBV-318) and analogs as small molecule Na v 1.7/ Nav1.8 blockers for the treatment of pain. Bioorg Med Chem. 2022 Jun 1;63:116743.