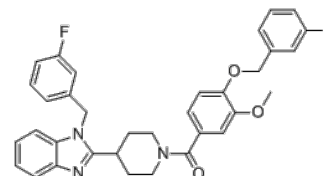


Product Name : AZ194
Cat. No. : PC-72811
CAS No. : 2241651-99-8
Molecular Formula : C₃₄H₃₁F₂N₃O₃
Molecular Weight : 567.637
Target : Sodium Channel
Solubility : 50 mM in DMSO (28.5 mg/mL)



Biological Activity

AZ194 (CRMP2-Ubc9 inhibitor 194) is a potent and selective inhibitor of **NaV1.7** currents in DRG neurons via inhibition of the **CRMP2-Ubc9** interaction.

Compound 194 exhibited selective in vitro and ex vivo NaV1.7 engagement.

Orally administered 194 was not only antinociceptive in preclinical models of acute and chronic pain but also demonstrated synergy alongside other analgesics-without eliciting addiction, rewarding properties, or neurotoxicity.

Compound 19 is a first-in-class protein-protein inhibitor that capitalizes on CRMP2-NaV1.7 regulation to deliver safe analgesia in rodents.

Compound 194 is a robust inhibitor of chemotherapy induced peripheral neuropathy (CIPN) that reduces established neuropathic pain and prevents the emergence of neuropathic pain during treatment with multiple anti-neoplastic agents in both mice and rats.

References

Kathryn Braden, et al. *Neurobiol Pain*. 2021 Dec 27;11:100082.

Song Cai, et al. *Sci Transl Med*. 2021 Nov 10;13(619):eabh1314.

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

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