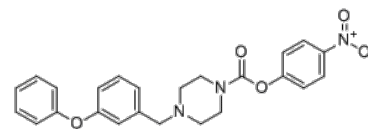


Product Name : JZL195
Cat. No. : PC-20487
CAS No. : 1210004-12-8
Molecular Formula : C₂₄H₂₃N₃O₅
Molecular Weight : 433.46
Target : Monoacylglycerol Lipase (MAGL)
Solubility : 10 mM in DMSO



CAS: 1210004-12-8

Biological Activity

JZL195 (JZL 195) is a potent, selective dual fatty acid amide hydrolase (**FAAH**) and monoacylglycerol lipase (**MAGL**) inhibitor with IC₅₀s of 2 and 4 nM, respectively.

JZL195 produces near-complete blockade of FP-Rh labeling of both mouse brain FAAH and MAGL with IC₅₀ of 13 and 19 nM, respectively.

JZL195 inhibits rat and human FAAH and MAGL enzymes with IC₅₀ values in the range of 10-100 nM based on competitive ABPP assays.

JZL195 (20 mg/kg; i.p.) produces an antinociceptive response in the tail immersion assays.

References

Long JZ, et al. *Proc Natl Acad Sci U S A*. 2009 Dec 1;106(48):20270-5.

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

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