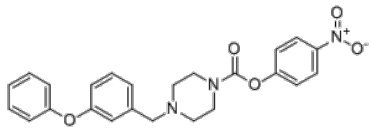
ProbeChem®
*Expedite Your Scientific Research*

WWW.PROBECHEM.COM

# Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

| | | |
|---|---|---|
| **Product Name** | : | JZL195 |
| **Cat. No.** | : | PC-20487 |
| **CAS No.** | : | 1210004-12-8 |
| **Molecular Formula** | : | $C_{24}H_{23}N_3O_5$ |
| **Molecular Weight** | : | 433.46 |
| **Target** | : | Monoacylglycerol Lipase (MAGL) |
| **Solubility** | : | 10 mM in DMSO |



CAS: 1210004-12-8

## Biological Activity

JZL195 (JJKK-004) 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.



E-mail: tech@probechem.com