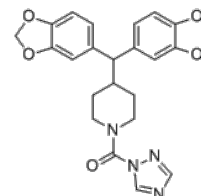


**Product Name** : JJKK-048  
**Cat. No.** : PC-60701  
**CAS No.** : 1515855-97-6  
**Molecular Formula** : C<sub>23</sub>H<sub>22</sub>N<sub>4</sub>O<sub>5</sub>  
**Molecular Weight** : 434.44  
**Target** : Monoacylglycerol Lipase (MAGL)  
**Solubility** : 10 mM in DMSO



### Biological Activity

JJKK-048 (JJKK048) is a potent, highly selective **monoacylglycerol lipase (MAGL)** with IC<sub>50</sub> of <0.4 nM against human and rodent MAGL.

JJKK-048 exhibits extremely high potency in inhibiting MAGL in the brain and peripheral tissues and maintains good selectivity over other serine hydrolases.

JJKK-048 remarkably increases mouse brain 2-AG levels without affecting AEA levels, induces antinociception and dose-dependent hypomotility and hypothermia but no catalepsy in vivo.

### References

Aaltonen N, et al. *Chem Biol.* 2013 Mar 21;20(3):379-90.

Aaltonen N, et al. *J Pharmacol Exp Ther.* 2016 Oct;359(1):62-72.

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

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