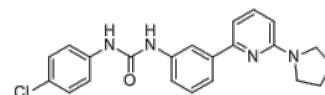


**Product Name** : PSNCBAM-1  
**Cat. No.** : PC-72731  
**CAS No.** : 877202-74-9  
**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>ClN<sub>4</sub>O  
**Molecular Weight** : 392.887  
**Target** : Cannabinoid Receptor  
**Solubility** : 10 nM in DMSO



### Biological Activity

PSNCBAM-1 is an allosteric antagonist of **CB1 receptor** with IC<sub>50</sub> of 22.5 nM in Ca<sup>2+</sup> assays, inhibits [3H]CP55,940 binding with EC<sub>50</sub> of 167 nM. PSNCBAM-1 does not affect CB2 receptors.

PSNCBAM-1 blocked the effects induced by agonists such as CP55,940, WIN55212-2, anandamide (AEA) or 2-arachidonoyl glycerol (2-AG) in CB1 receptor yeast reporter assays.

PSNCBAM-1 decreased food intake and body weight in an acute rat feeding model.

### References

Horswill JG, *Br J Pharmacol.* 2007 Nov;152(5):805-14.

Wang X, et al. *Mol Pharmacol.* 2011 Apr;79(4):758-67.

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

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