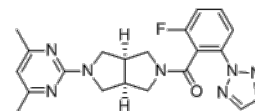


**Product Name** : Seltorexant  
**Cat. No.** : PC-61107  
**CAS No.** : 1293281-49-8  
**Molecular Formula** : C<sub>21</sub>H<sub>22</sub>FN<sub>7</sub>O  
**Molecular Weight** : 407.453  
**Target** : Orexin Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Seltorexant (JNJ-42847922, MIN-202) is a potent, selective, orally active orexin-2 receptor (**OX2R**) antagonist with pK<sub>i</sub> of 8.0 and 8.1 for human and rat OX2R, respectively.

Seltorexant displays a 2-log selectivity over OX1R, and shows no significant affinity for 50 receptor/transporter/ion channel (<50% inhibition at 1 μM).

Seltorexant reduces the latency to non-rapid eye movement (NREM) sleep and prolongs NREM sleep time in rats (3–30 mg/kg).

## References

Letavic MA, et al. *J Med Chem*. 2015 Jul 23;58(14):5620-36.

Bonaventure P, et al. *J Pharmacol Exp Ther*. 2015 Sep;354(3):471-82.

Yun S, et al. *Front Behav Neurosci*. 2017 May 8;11:83.

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

E-mail: tech@probechem.com