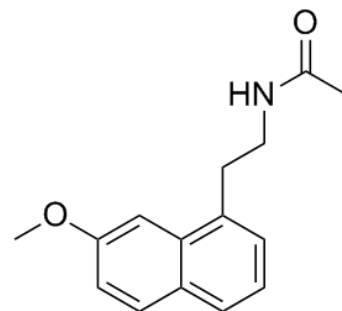


**Product Name** : Agomelatine hydrochloride  
**Cat. No.** : PC-45161  
**CAS No.** : 1176316-99-6  
**Molecular Formula** : C<sub>15</sub>H<sub>18</sub>ClNO<sub>2</sub>  
**Molecular Weight** : 279.7619  
**Target** : Melatonin Receptor  
**Solubility** : 10 mM in DMSO



HCl

### Biological Activity

A melatonin receptor agonist of MT1 (K<sub>i</sub>=0.1nM) and MT2 (K<sub>i</sub>=0.12nM), and a 5-HT<sub>2C</sub> (K<sub>i</sub>=631nM) receptor antagonist; has no effect on monoamine uptake and no affinity for adrenergic, histaminergic, cholinergic, dopaminergic and benzodiazepine receptors, nor other serotonergic receptors; a melatonergic antidepressant treatment of major depressive disorder with relatively favorable side effect profile.

Depression  
Approved

### References

- Depreux P, et al. J Med Chem. 1994 Sep 30;37(20):3231-9.  
Wiley JL, et al. Psychopharmacology (Berl). 1998 Dec;140(4):503-9.  
Ying SW, et al. Eur J Pharmacol. 1996 Jan 18;296(1):33-42.

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

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