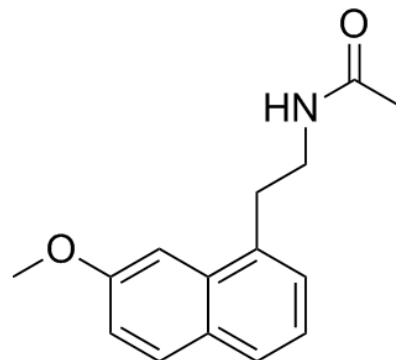


Product Name : Agomelatine
Cat. No. : PC-45160
CAS No. : 138112-76-2
Molecular Formula : C₁₅H₁₇NO₂
Molecular Weight : 243.301
Target : Melatonin Receptor
Solubility : 10 mM in DMSO



Biological Activity

A melatonin receptor agonist of MT₁ (K_i=0.1nM) and MT₂ (K_i=0.12nM), and a 5-HT_{2C} (K_i=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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