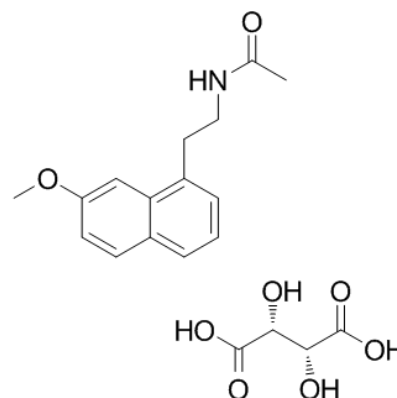


Product Name : Agomelatine L(-)-Tartaric acid
Cat. No. : PC-45162
CAS No. : 824393-18-2
Molecular Formula : C₁₉H₂₃NO₈
Molecular Weight : 393.3878
Target : Melatonin Receptor
Solubility : 10 mM in DMSO



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!

E-mail: tech@probechem.com