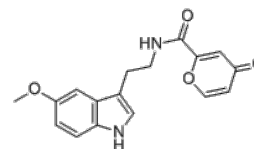


Product Name : Piromelatine
Cat. No. : PC-61335
CAS No. : 946846-83-9
Molecular Formula : C₁₇H₁₆N₂O₄
Molecular Weight : 312.32
Target : Melatonin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Piromelatine (Neu-P11) is a melatonin **melatonin receptor** MT1/MT2 and serotonin **5-HT1A/5-HT1D** receptor agonist. Piromelatine inhibits weight gain and improves insulin sensitivity in high-fat/high-sucrose-fed rats. Piromelatine facilitates memory performance and improves cognitive impairment in a rat model of Alzheimer' disease.

References

- She M, et al. *Eur J Pharmacol*. 2014 Mar 15;727:60-5.
Liu YY, et al. *Psychopharmacology (Berl)*. 2014 Oct;231(20):3973-85.
She M, et al. *Pharmacol Res*. 2009 Apr;59(4):248-53.
Zhou J, et al. *J Pharmacol Exp Ther*. 2018 Jan;364(1):55-69.

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

E-mail: tech@probechem.com