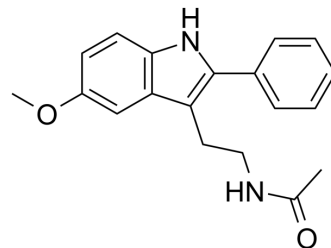


UCM 608

Cat. No.:	HY-101074
CAS No.:	151889-03-1
Molecular Formula:	C ₁₉ H ₂₀ N ₂ O ₂
Molecular Weight:	308.37
Target:	Melatonin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UCM 608 is a high affinity melatonin (MT) membrane receptor agonist. The pKi values for MT1 and MT2 are 10.7 and 10.4 ^{[1][2]} .
IC ₅₀ & Target	pKi: 10.7 (MT1) ^[1] . pKi: 10.4 (MT2) ^[1]
In Vitro	UCM 608 is a high affinity melatonin membrane receptor agonist. The pKi values for MT1 and MT2 are 10.7 and 10.4 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Radogna F, et al. Rapid and transient stimulation of intracellular reactive oxygen species by melatonin in normal and tumor leukocytes. *Toxicol Appl Pharmacol.* 2009;239(1):37-45.

[2]. Mor, M., et al. Synthesis, pharmacological characterization and QSAR studies on 2-substituted indole melatonin receptor ligands. *Bioorganic & Medicinal Chemistry*, 9(4), 1045–1057.

Caution: Product has not been fully validated for medical applications. For research use only.

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