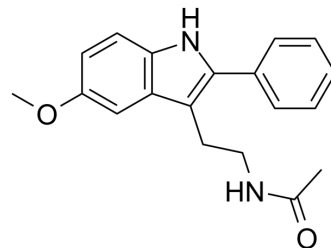


UCM 608

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:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (324.29 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2429 mL	16.2143 mL	32.4286 mL
	5 mM	0.6486 mL	3.2429 mL	6.4857 mL
	10 mM	0.3243 mL	1.6214 mL	3.2429 mL

Please refer to the solubility information to select the appropriate solvent.

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]} .
IC₅₀ & 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,*

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

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