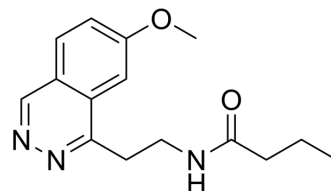


Melatonin receptor agonist 1

Cat. No.:	HY-147542
CAS No.:	2411150-76-8
Molecular Formula:	C ₁₅ H ₁₉ N ₃ O ₂
Molecular Weight:	273.33
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	Melatonin receptor agonist 1 (compound 20c) is a potent melatonin receptor (MT) agonist, with K _i values of 108 nM (MT ₂) and 1140 nM (MT ₁) ^[1] .	
IC₅₀ & Target	MT ₂ 108 nM (K _i)	MT ₁ 1140 nM (K _i)
In Vitro	Melatonin receptor agonist 1 (compound 20c) shows a 10 times MT ₂ -selectivity over MT ₁ ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Bolteau R, et al. Quinazoline and phthalazine derivatives as novel melatonin receptor ligands analogues of agomelatine. Eur J Med Chem. 2020 Mar 1;189:112078.

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

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