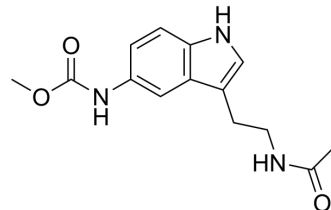


5-MCA-NAT

Cat. No.:	HY-101303
CAS No.:	190277-13-5
Molecular Formula:	C ₁₄ H ₁₇ N ₃ O ₃
Molecular Weight:	275.3
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	5-MCA-NAT is a melatonin agonist that may target the melatonin MT3 receptor. 5-MCA-NAT can contract the colonic band in a concentration-dependent manner and reduce intraocular pressure (IOP) in glaucomatous monkey eyes, inhibiting the increase in IOP ^{[1][2]} .
IC ₅₀ & Target	Melatonin MT3 receptor ^[1]

REFERENCES

- [1]. Lucchelli A, et al. Investigation into the contractile response of melatonin in the guinea-pig isolated proximal colon: the role of 5-HT₄ and melatonin receptors. *Br J Pharmacol.* 1997 Aug;121(8):1775-81.
- [2]. Serle JB, et al. Effect of 5-MCA-NAT, a putative melatonin MT3 receptor agonist, on intraocular pressure in glaucomatous monkey eyes. *J Glaucoma.* 2004 Oct;13(5):385-8.

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

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