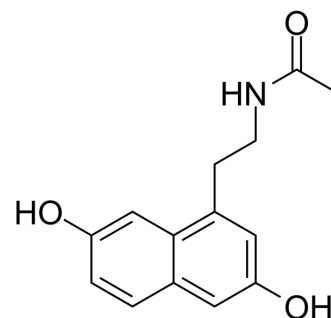


7-Desmethyl-3-hydroxyagomelatine

Cat. No.:	HY-133112
CAS No.:	166527-00-0
Molecular Formula:	C ₁₄ H ₁₅ NO ₃
Molecular Weight:	245.27
Target:	Melatonin Receptor; 5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	7-Desmethyl-3-hydroxyagomelatine (3-Hydroxy-7-desmethyl agomelatine), a metabolite of Agomelatine, has less activity than Agomelatine ^[1] . Agomelatine is a melatonergic (MT1 and MT2) agonist and serotonergic (5HT _{2C}) antagonist ^{[1][2]} .		
IC₅₀ & Target	MT1	MT2	5-HT _{2C} Receptor

REFERENCES

- [1]. Li M, et al. Development and validation a LC-MS/MS method for the simultaneous determination of agomelatine and its metabolites, 7-desmethyl-agomelatine and 3-hydroxy-agomelatine in human plasma: Application to a bioequivalence study. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2015 Oct 15;1003:60-6.
- [2]. Kennedy SH, et al. Agomelatine and its therapeutic potential in the depressed patient. *Neuropsychiatr Dis Treat*. 2007 Aug;3(4):423-8.

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

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