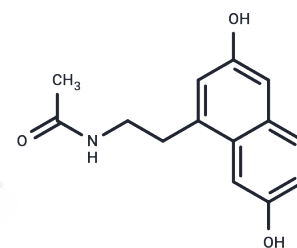


7-Desmethyl-3-hydroxyagomelatine

Chemical Properties

CAS No. :	166527-00-0
Formula:	C ₁₄ H ₁₅ NO ₃
Molecular Weight:	245.27
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	7-Desmethyl-3-hydroxyagomelatine is a metabolite of Agomelatine and has less activity than Agomelatine. Agomelatine is a melatonergic (MT1 and MT2) agonist and 5-HT _{2C} antagonist.
Targets(IC50)	Melatonin Receptor, 5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0771 mL	20.3857 mL	40.7714 mL
5 mM	0.8154 mL	4.0771 mL	8.1543 mL
10 mM	0.4077 mL	2.0386 mL	4.0771 mL
50 mM	0.0815 mL	0.4077 mL	0.8154 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- 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.
- Kennedy SH, et al. Agomelatine and its therapeutic potential in the depressed patient. Neuropsychiatr Dis Treat. 2007 Aug;3(4):423-8.

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