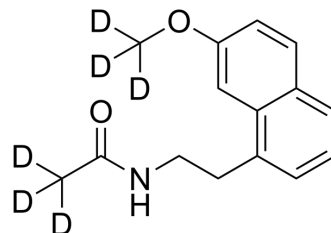


Agomelatine-d₆

Cat. No.:	HY-17038S		
CAS No.:	1079389-42-6		
Molecular Formula:	C ₁₅ H ₁₁ D ₆ NO ₂		
Molecular Weight:	249.34		
Target:	5-HT Receptor; Melatonin Receptor; Isotope-Labeled Compounds		
Pathway:	GPCR/G Protein; Neuronal Signaling; Others		
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 (401.06 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	4.0106 mL	20.0529 mL	40.1059 mL
	5 mM	0.8021 mL	4.0106 mL	8.0212 mL
	10 mM	0.4011 mL	2.0053 mL	4.0106 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (10.03 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (10.03 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (10.03 mM); Clear solution; Need ultrasonic 			

BIOLOGICAL ACTIVITY

Description	Agomelatine-d ₆ is deuterium labeled Agomelatine. Agomelatine is a specific agonist of MT1 and MT2 receptors[1].	
IC₅₀ & Target	MT2	MT1

REFERENCES

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

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