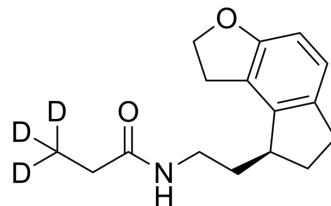


## Ramelteon-d<sub>3</sub>

<b>Cat. No.:</b>	HY-A0014S1		
<b>CAS No.:</b>	1432057-38-9		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>18</sub> D <sub>3</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	262.36		
<b>Target:</b>	Melatonin Receptor		
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 50 mg/mL (190.58 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		3.8116 mL	19.0578 mL	38.1156 mL
	5 mM		0.7623 mL	3.8116 mL	7.6231 mL
	10 mM		0.3812 mL	1.9058 mL	3.8116 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Ramelteon-d<sub>3</sub> is a deuterium-labelled [Ramelteon](#) (HY-A0014).

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

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