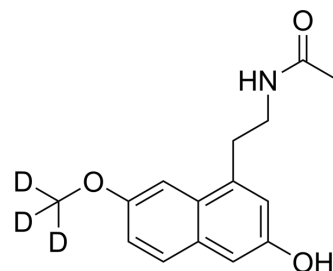


## 3-Hydroxy agomelatine-d<sub>3</sub>

<b>Cat. No.:</b>	HY-133111S		
<b>CAS No.:</b>	1079774-23-4		
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>14</sub> D <sub>3</sub> NO <sub>3</sub>		
<b>Molecular Weight:</b>	262.32		
<b>Target:</b>	5-HT 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



### BIOLOGICAL ACTIVITY

<b>Description</b>	3-Hydroxy agomelatine-d <sub>3</sub> is a deuterium labeled 3-Hydroxy agomelatine. 3-Hydroxy agomelatine is a 5-HT <sub>2C</sub> receptor antagonist with an IC <sub>50</sub> of 3.2 μM and a K <sub>i</sub> of 1.8 μM[1].	
<b>IC<sub>50</sub> &amp; Target</b>	5-HT <sub>2C</sub> Receptor 3.2 μM (IC <sub>50</sub> )	5-HT <sub>2C</sub> Receptor 1.8 μM (K <sub>i</sub> )

### REFERENCES

[1]. Chagraoui A, et al. Agomelatine(S 20098) antagonizes the penile erections induced by the stimulation of 5-HT<sub>2C</sub> receptors in Wistar rats. *Psychopharmacology (Berl)*. 2003 Oct;170(1):17-22.

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

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