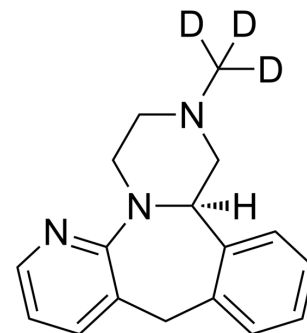


## (R)-Mirtazapine-d<sub>3</sub>

<b>Cat. No.:</b>	HY-B0352BS
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>16</sub> D <sub>3</sub> N <sub>3</sub>
<b>Molecular Weight:</b>	268.37
<b>Target:</b>	5-HT Receptor; Isotope-Labeled Compounds
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	(R)-Mirtazapine-d <sub>3</sub> is a deuterium labeled (R)-Mirtazapine. (R)-Mirtazapine is a R(-)-enantiomer of Mirtazapine with antinociceptive properties in an animal model of acute thermal nociception. (R)-Mirtazapine is a 5-HT <sub>3</sub> receptor antagonist. (R)-Mirtazapine is mainly metabolized by CYP3A4[1].
<b>IC<sub>50</sub> &amp; Target</b>	5-HT <sub>3</sub> Receptor

### REFERENCES

[1]. Muth-Selbach U, et al. Racemic intrathecal mirtazapine but not its enantiomers acts anti-neuropathic after chronic constriction injury in rats. Brain Res Bull. 2009 Apr 6;79(1):63-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA