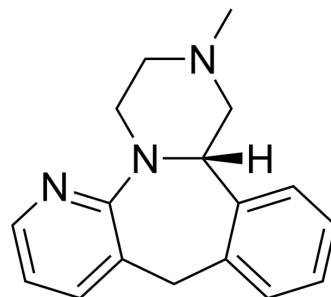


## (S)-Mirtazapine

<b>Cat. No.:</b>	HY-B0352A		
<b>CAS No.:</b>	61337-87-9		
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>19</sub> N <sub>3</sub>		
<b>Molecular Weight:</b>	265.35		
<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

#### Description

(S)-Mirtazapine ((S)-Org3770) is a S(+)-enantiomer of Mirtazapine with pronociceptive properties in an animal model of acute thermal nociception. (S)-Mirtazapine is a stereoselective 5-HT<sub>2</sub> receptor antagonist. (S)-Mirtazapine is metabolized by CYP2D6 and CYP1A2<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

5-HT<sub>2</sub> Receptor

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.**

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