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## Product Data Sheet

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Product Name: (S)-Mirtazapine

Cat. No.: GC67989

### Chemical Properties

Cas. No. 61337-87-9

Formula  $C_{17}H_{19}N_3$  M.Wt 265.35

Solubility Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure

### Background

(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>.

[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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