



LKT Laboratories, Inc.

## Mirtazapine

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### Product Information

**Product ID** M3368

**CAS No.** 61337-67-5

**Chemical Name** Pyrazino(2,1-a)pyrido(2,3-c)(2)benzazepine, 1,2,3,4,10,14b-hexahydro-2-methyl-

**Synonym** Remeron

**Formula** C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>

**Formula Wt.** 265.35

**Melting Point** 104-108°C

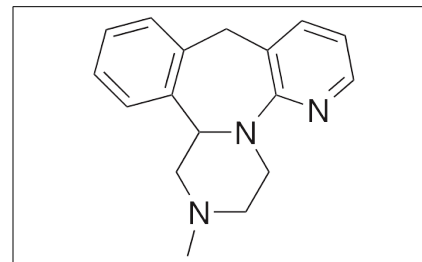
**Purity** ≥98%

**Solubility** Soluble in DMSO  
(~8mg/mL).

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Mirtazapine is a piperazine antidepressant that also displays anxiolytic, hypnotic, antiemetic, and orexigenic activity. Mirtazapine acts as an antagonist at 5-HT<sub>2/3</sub> receptors, an indirect agonist at 5-HT<sub>1</sub> receptors, and an antagonist at α<sub>2</sub>-adrenergic receptors, enhancing NE and 5-HT neurotransmission. The sleep-inducing hypnotic effects are mediated through mirtazapine's inverse agonism at histamine H<sub>1</sub> receptors, although tolerance to this effect develops during chronic use. Clinically, mirtazapine improves the withdrawal symptom profile and aids in preventing relapse in recently abstinent substance abusers in a manner similarly to other antidepressants. This compound also shows efficacy in treating behavioral complications associated with autism spectrum disorder and pervasive developmental disorder. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
M3368	10 mg	\$92.30
M3368	50 mg	\$369.40
M3368	250 mg	\$1199.80

**References** Kongsakon R, Papadopoulos KI, Saguansiritham R. Mirtazapine in amphetamine detoxification: a placebo-controlled pilot study. *Int Clin Psychopharmacol.* 2005 Sep;20(5):253-6. PMID: 16096515.

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de Boer TH, Maura G, Raiteri M, et al. Neurochemical and autonomic pharmacological profiles of the 6-aza-analogue of mianserin, Org 3770 and its enantiomers. *Neuropharmacology.* 1988 Apr;27(4):399-408. PMID: 3419539.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.