



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

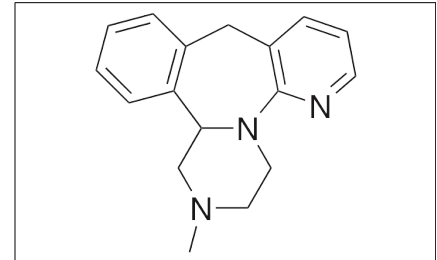
Formula C₁₇H₁₉N₃

Formula Wt. 265.35

Melting Point 104-108 °C

Purity ≥98%

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



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 |

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_{2/3} receptors, an indirect agonist at 5-HT₁ receptors, and an antagonist at α₂-adrenergic receptors, enhancing NE and 5-HT neurotransmission. The sleep-inducing hypnotic effects are mediated through mirtazapine's inverse agonism at histamine H₁ 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.

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.