



LKT Laboratories, Inc.

## Agomelatine

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

Product ID A2658

CAS No. 138112-76-2

Chemical Name

Synonym

Formula  $C_{15}H_{17}NO_2$

Formula Wt. 243.30

Melting Point

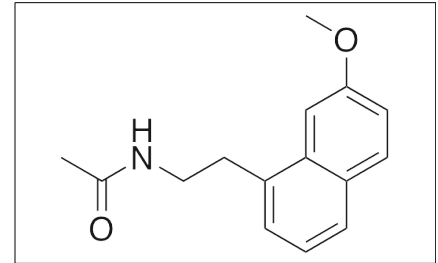
Purity  $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

**Description** Agomelatine is a melatonin MT1/2 receptor activator that also inhibits 5-HT<sub>2C</sub> receptors. Agomelatine displays antidepressant, anxiolytic, and hypnotic characteristics and is currently being examined as a marketable antidepressant. Agomelatine improves sleep quality and efficacy and treats insomnia. This compound also enhances neuroplasticity and neurogenesis in the hippocampus and prefrontal cortex.



**Bulk quantities available upon request**

Product ID	Size
A2658	50 mg
A2658	100 mg
A2658	500 mg

**References** Smeraldi E, Delmonte D. Agomelatine in depression. *Expert Opin Drug Saf.* 2013 Nov;12(6):873-80. PMID: 24033095.

Pompili M, Serafini G, Innamorati M, et al. Agomelatine, a novel intriguing antidepressant option enhancing neuroplasticity: a critical review. *World J Biol Psychiatry.* 2013 Aug;14(6):412-31. PMID: 23530731.

Srinivasan V, Zakaria R, Othaman Z, et al. Melatonergic drugs for therapeutic use in insomnia and sleep disturbances of mood disorders. *CNS Neurol Disord Drug Targets.* 2012 Mar;11(2):180-9. PMID: 22483286.

Bertaina-Anglade V, la Rochelle CD, Boyer PA, et al. Antidepressant-like effects of agomelatine (S 20098) in the learned helplessness model. *Behav Pharmacol.* 2006 Dec;17(8):703-13. PMID: 17110796.

Papp M, Litwa E, Gruca P, et al. Anxiolytic-like activity of agomelatine and melatonin in three animal models of anxiety. *Behav Pharmacol.* 2006 Feb;17(1):9-18. PMID: 16377959.

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