



# LKT Laboratories, Inc.

## L-5-Hydroxytryptophan

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### Product Information

**Product ID** H9714

**CAS No.** 4350-09-8

**Chemical Name**

**Synonym** L-5HTP, Oxitriptan, Cincofarm, Levothym, Oxyfann, Telestol

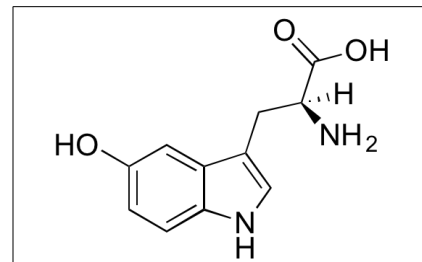
**Formula**  $C_{11}H_{12}N_2O_3$

**Formula Wt.** 220.22

**Melting Point** 270° C(dec)

**Purity** ≥98%

**Solubility** Slightly soluble in water.



**Bulk quantities available upon request**

Product ID	Size
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H9714	250 mg
H9714	1 g
H9714	5 g
H9714	25 g

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** L-5-hydroxytryptophan (L-5-HTP) is an endogenous amino acid precursor of 5-HT and melatonin that is commonly found in dietary supplements. L-5-HTP exhibits antidepressant and antioxidative activities. L-5-HTP acts as an antidepressant in clinical settings and shifts circadian rhythms in animal models. This compound also inhibits UV-induced apoptosis in monocytes.

**References** Jangid P, Malik P, Singh P, et al. Comparative study of efficacy of l-5-hydroxytryptophan and fluoxetine in patients presenting with first depressive episode. Asian J Psychiatr. 2013 Feb;6(1):29-34. PMID: 23380314.

Basu P, Singaravel M, Halder C. L-5-hydroxytryptophan resets the circadian locomotor activity rhythm of the nocturnal Indian pygmy field mouse, Mus terricolor. Naturwissenschaften. 2012 Mar;99(3):233-9. PMID: 22331255.

Lysek N, Kinscherf R, Claus R, et al. L-5-Hydroxytryptophan: antioxidant and anti-apoptotic principle of the intertidal sponge Hymeniacidon heliophila. Z Naturforsch C. 2003 Jul-Aug;58(7-8):568-72. PMID: 12939046.

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