



5 HTP

Purified Ingredient



5 HTP

L-5-Hydroxytryptophan

Purified Ingredient from Griffonia simplicifolia seeds

NLT 99.0% L-5-Hydroxytryptophan



Uses

5-HTP is the precursor in the biosynthesis of the neurotransmitter serotonin and helps to raise its levels, especially in the brain

Serotonin is important in the modulation of several specific activities in the central nervous system, including the regulation of **sleep** patterns and mood, and alleviating migraines

5HTP is used principally to maintain sleeping patterns, lighten moods (**anxiety, depression**) and treat obesity-related binge-eating disorders

It is also used to relieve the symptoms of several diseases such as fibromyalgia, premenstrual syndrome, attention deficit disorder and chronic headaches

Key

 Drug Master File available

 Pharmaceutical (API)

 Food supplement Ingredient

Linnea Extracts

The philosophy of Excellence

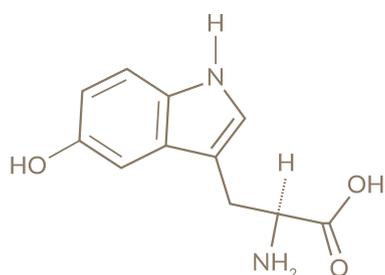
- Native to West and Central Africa
- Seeds are carefully harvested by a selected network of suppliers in Africa
- **Linnea** inspects every shipment before it leaves
- **Linnea** ensures that the raw material is of the highest possible quality
- Every cargo has to be in conformity with **Linnea's standard of quality**

Griffonia Simplicifolia is an extremely adaptable woody climbing shrub

Griffonia Simplicifolia

Technical Description

Name of the plant	Griffonia simplicifolia
Part of the plant used	Seeds
Chemical name	(2S)-2-amino-3-(5-hydroxy-1H-indol-3-yl) propanoic acid
Name	L-5-Hydroxytryptophan; Oxitriptan, 5HTP, -L-Amino-3-(5-Hydroxy-1H-indol-3yl) proprionic acid
CAS number	4350-09-8
Molecular weight	220.2 g/mol
Appearance	White to grey white crystalline powder, odourless
Solubility	Slightly soluble in water, insoluble in organic solvents
Storage	Preserve in tight container, protected from light, heat and humidity



Analytical Description

Loss on drying	NMT 2.0 %
pH	Between 4.0 and 6.0
Specific optical rotation	Between -38.0 and -30.0
Related substances: HPLC	NMT 0.5%
Assay: HClO ₄ titration on dry basis	Between 99.0% and 101.0%
Sulphated ash	NMT 0.2%
Microbiology	2.6.12 Ph Eur, current edition

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 5-HTP

 Cannabis-Hemp

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 HMRLignan™

 Ginkgo biloba

 Vincamine

 Bilberry

 Red Clover

Linnea's Certificates



High level of compliance with GMPs in product manufacturing

GMP compliance certified by



GMO free



Allergen, Gluten, Lactose, Melamine Free



Vegan certified



Kosher certified



Halal certified

No materials containing engineered nanomaterial are used in the manufacturing process and the product is not irradiated. The raw material, intermediates and auxiliary compounds are free from pesticides, dioxin and aflatoxins.

Manufactured by


Natural Pharma Solutions

Headquarters

Linnea SA
Via Cantonale
6595 Riazzino
Switzerland
T +41 91 850 5050
F +41 91 850 5070
info@linnea.ch
www.linnea.ch

US office

Linnea Inc.
19700 Fairchild Road, Suite 380, Irvine,
CA 92612
USA
T +1 949 502 5760
F +1 732 875 0306
tmcMahon@linnea.ch
www.linnea-us.com