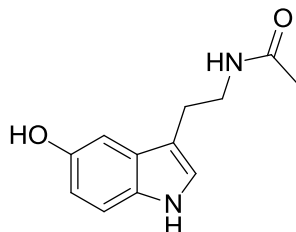


N-Acetylserotonin

Code No.: **BIA-A1738**

Pack sizes: **5 mg, 25 mg**



Synonyms : 5-Hydroxymelatonin; N-Acetyl-5-hydroxytryptamine; N-Acetylserotonin; Normelatonin; O-demethylmelatonin

Specifications

CAS #	: 1210-83-9
Molecular Formula	: C ₁₂ H ₁₄ N ₂ O ₂
Molecular Weight	: 218.3
Source	: Synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

N-Acetylserotonin is an acetyl derivative of a biogenic acid commonly found in many microbial fermentations, most notably dermatophytic fungi belonging to the genus, *Trichophyton*. N-Acetylserotonin is produced by decarboxylation and acetylation of serotonin. N-Acetylserotonin exhibits weak activity in a diverse range of bioassays and is thus an important standard for analytical and bioassay dereplication of crude microbial extracts.

References

1. Metabolism studies of indole derivatives using a staurosporine producer, *Streptomyces staurosporeus*. Yang, S-W. and Cordell G.A., *J. Nat. Prod.* 1997, 60, 44.
2. Cytotoxic activity of some indole derivatives and indole metabolites of *Streptomyces staurosporeus*. Yang S-W. et al., *Pharmaceut. Biol.* 1999, 37, 67.
3. Formation of histamine and N-acetylhistamine by pathogenic fungi. Tanaka T. et al., *Shinkin to Shinkinsho* 1977, 18, 58.