

Biotransformation of Indole Derivatives by Mycelial Cultures

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Biotransformation of tryptophan to tryptamine and 3-methyl-indole by *Psilocybe coprophila* was performed. On the other hand, *Aspergillus niger* was able to transform tryptophan to 5-hydroxy-tryptophan. *P. coprophila* biotransformed 5-hydroxy-tryptophan to 5-hydroxy-tryptamine. These results prove once more that fungi are good tools to establish hydroxy-indole derivatives.

Key words: Biotransformation, *Psilocybe coprophila*, *Aspergillus niger*