

Certificate of Analysis

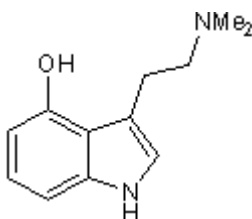
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Product Name: Psilocin
CAS Number: 520-53-6
IUPAC Name: 4-Hydroxy-*N,N*-dimethyltryptamine

Catalog No.: 4412 **Batch No.:** 1
EC Number: 208-296-5

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₁₆N₂O
Batch Molecular Weight: 204.27
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: Psilocin
CAS Number: 520-53-6
IUPAC Name: 4-Hydroxy-*N,N*-dimethyltryptamine

Catalog No.: 4412
Batch No.: 1
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Description:

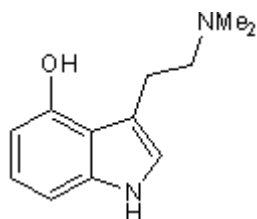
Non-selective serotonin receptor agonist. Active metabolite of psilocybin; hallucinogen.

Physical and Chemical Properties:

Batch Molecular Formula: C₁₂H₁₆N₂O
 Batch Molecular Weight: 204.27
 Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Other Information:

INFORMATION FOR CUSTOMERS IN THE UK ONLY

This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

INFORMATION FOR CUSTOMERS IN THE USA ONLY

This product is a Schedule I DEA controlled substance and customers in the USA are required to hold a controlled substance registration in order to purchase and possess this material (in accordance with Title 21 code of federal regulations part 1300 to end).

INFORMATION FOR CUSTOMERS IN CANADA ONLY

This product is a Schedule III CDSA controlled substance and customers in Canada require an import permit to purchase this material.

References:

Lee and Roth (2012) Hallucinogen actions on human brain revealed. *Proc.Natl.Acad.Sci.USA* **109** 1820. PMID: 22308478.

Almulla et al (1996) Contribution of a helix 5 locus to selectivity of hallucinogenic and nonhallucinogenic ligands for the human 5-hydroxytryptamine_{2A} and 5-hydroxytryptamine_{2C} receptors: direct and indirect effects on ligand affinity mediated by the same locus. *Mol.Pharmacol.* **50** 34. PMID: 8700116.

Merck Index **12** 4629.

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bio-techne.com
 info@bio-techne.com
 techsupport@bio-techne.com

North America
 Tel: (800) 343 7475

China
 info.cn@bio-techne.com
 Tel: +86 (21) 52380373

Europe Middle East Africa
 Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
 Tel:+1 612 379 2956