



CERTIFICATE OF ANALYSIS

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1. Identification

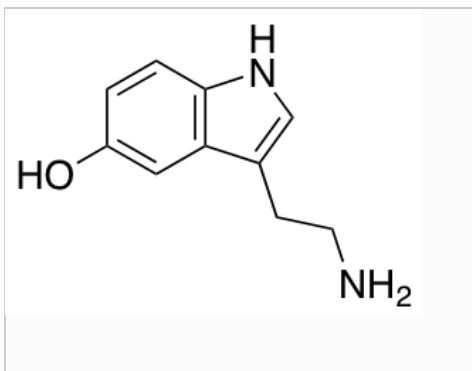
Catalogue Number: H977043

CAS Number: 50-67-9

Product: Serotonin

Synonym: 5-Hydroxytryptamine

Structure:



Molecular Formula:

C₁₀H₁₂N₂O

Molecular weight:

176.22

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 2022-HAB-016

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Dark Brown Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 67.87, %H: 6.90, %N: 15.87
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.89% (225 nm)
Water Content	Report Result	0.1% by Karl Fischer
FT-IR	Conforms to Structure	Conforms

Additional Information:

The sample was tested by TGA, initiated in a nitrogen environment. The initial degradation onset temperature was measured at 254.6°C. The second degradation onset temperature was measured at 371.0°C. The environment was changed to air at 800.0°C. The sample had 0.0% of its weight remaining at 996.8°C.

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By

Reviewed By

C of A Approved By

Test Date

Retest Date

Nicole Yip

Toni Rantanen

Chanell Chu

11/3/2022

11/1/2026