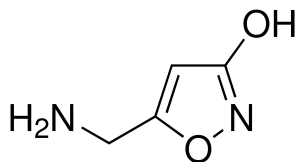


# Certificate of Analysis

**Product Name :** Muscimol powder  
**Product Number :** M1523-10MG  
**Batch Number :** 0000412800  
**Source Batch :** 0000399381  
**CAS Number :** 2763-96-4  
**MDL Number :** MFCD00057894  
**Storage Temperature :** +2°C to +8°C  
**Molecular Formula :** C<sub>4</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>  
**Formula Weight :** 114.10 g/mol  
**Recommended Retest Date :** Nov 2029  
**Quality Release Date :** 28 Nov 2024



| Test                   | Specification                 | Result                    |
|------------------------|-------------------------------|---------------------------|
| Appearance (Form)      | Powder                        | Powder                    |
| Appearance (Color)     | White to White w/ Yellow Cast | White                     |
| Solubility (Solvent)   | 0.05M HCl                     | 0.05M HCl                 |
| Solubility (Conc)      | 19.60 - 20.40 mg/mL           | 20.00 mg/mL               |
| Solubility (Turbidity) | Clear                         | Clear                     |
| Solubility (Color)     | Colorless to Faint Yellow     | Colorless                 |
| NMR (Solvent)          | D2O                           | D2O                       |
| Identity by NMR        | Consistent                    | Consistent with Structure |
| Purity (TLC)           | ≥ 98.00 %                     | 99.00 %                   |

Anna Bendersky, Quality Control Manager

Quality Control

Israel

IL

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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