

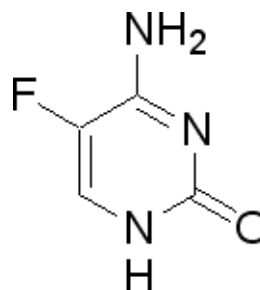
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
5-Fluorocytosine - Nucleoside analog

Product Number: F7129
CAS Number: 2022-85-7
MDL: MFCD00006035
Formula: C₄H₄FN₃O
Formula Weight: 129.09 g/mol
Storage Temperature: 2 - 8 °C



| TEST | Specification |
|-------------------------|---------------------------|
| Appearance (Color) | White to Off-White |
| Appearance (Form) | Powder |
| Solubility (Color) | Colorless to Faint Yellow |
| Solubility (Turbidity) | Clear |
| 50 mg/mL, Formic Acid | |
| Proton NMR spectrum | Conforms to Structure |
| Water (by Karl Fischer) | ≤ 4 % |
| Purity (TLC) | ≥ 99 % |
| Carbon (anhydrous) | 36.8 - 37.6 % |
| Nitrogen (anhydrous) | 32.1 - 33.0 % |
| EmM Anhydrous | 8.8 - 9.4 |
| pH 1.0 | |
| Wavelength | 285 - 287 nm |

Specification: PRD.1.ZQ5.10000011860

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. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.