

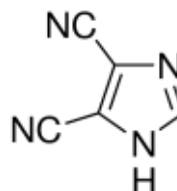
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
4,5-Dicyanoimidazole - 99.0%

**Product Number:** 554030  
**CAS Number:** 1122-28-7  
**MDL:** MFCD00005194  
**Formula:** C<sub>5</sub>H<sub>2</sub>N<sub>4</sub>  
**Formula Weight:** 118.10 g/mol



### TEST

### Specification

Appearance (Color)	White to Off White
Appearance (Form)	Powder
Final Melting Point	174 - 176 °C
Proton NMR Spectrum	Conforms to Structure
Purity (HPLC)	≥ 99.0 %
Water (by Karl Fischer)	≤ 300 ppm
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless
Solubility Concentration: 1.2g in 10mL Acetonitrile	
Expiration Date Period	-----
5 Years	

Specification: PRD.2.ZQ5.10000032896

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. 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.