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## Product Specification

Product Name:

Neocuproine hydrochloride hydrate - BioReagent, crystalline

Product Number:

N1626

CAS Number:

332360-00-6

MDL:

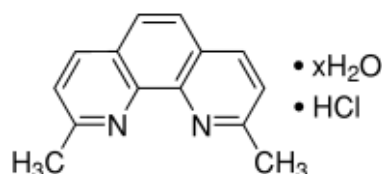
MFCD00150062

Formula:

C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>·HCl·xH<sub>2</sub>O

Formula Weight:

244.72 g/mol



### TEST

### Specification

Appearance (Color)

White to Yellow to Faint Brown

Appearance (Form)

Powder

Solubility (Color)

Colorless to Yellow and Colorless to  
Green and Colorless to Green-Yellow  
Clear to Very Slightly Hazy

Solubility (Turbidity)

50 mg/mL, MeOH

Infrared spectrum

Conforms to Structure

Water (by Karl Fischer)

(4 mol/mol)

 $\leq 23 \%$ 

Suitability (Test)

Suitable

Suitable for determination of copper

Purity (TLC)

 $\geq 98 \%$ 

Recommended Retest Period

3 years

Carbon (anhydrous)

67.3 - 70.1 %

Nitrogen (anhydrous)

11.0 - 11.9 %

Specification: PRD.1.ZQ5.10000011840

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.