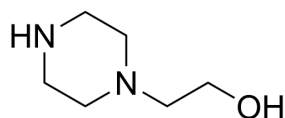


Certificate of Analysis

Product Name: 1-(2-Hydroxyethyl)piperazine
Cat. No.: CS-W020134
CAS No.: 103-76-4
Batch No.: 130524
Chemical Name: 1-Piperazineethanol

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₆H₁₄N₂O
Molecular Weight: 130.19
Storage: 2-8°C, protect from light, stored under nitrogen
Chemical Structure:



ANALYTICAL DATA

Appearance: Colorless to light yellow (Liquid)
¹H NMR Spectrum: Consistent with structure
Purity (NMR): ≥98.0%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA