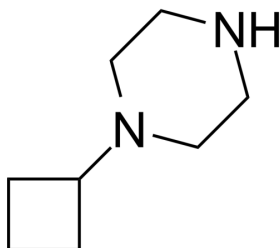


## Certificate of Analysis

**Product Name:** 1-Cyclobutylpiperazine  
**Cat. No.:** CS-0038572  
**CAS No.:** 132800-13-6  
**Batch No.:** 48999  
**Chemical Name:** Piperazine, 1-cyclobutyl-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>  
**Molecular Weight:** 140.23  
**Storage:** Storage temp. 2-8°C  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (NMR):** >97.0%  
**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: 732-484-9848

Fax: 888-484-5008

E-mail: sales@ChemScene.com

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