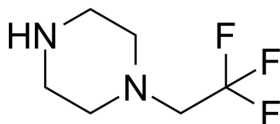


Certificate of Analysis

Product Name: 1-(2,2,2-Trifluoroethyl)piperazine
Cat. No.: CS-0099713
CAS No.: 13349-90-1
Batch No.: Lf0110117552
Chemical Name: Piperazine, 1-(2,2,2-trifluoroethyl)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₆H₁₁F₃N₂
Molecular Weight: 168.16
Storage: 2-8°C, protect from light
Chemical Structure:



ANALYTICAL DATA

Appearance: Colorless to light yellow (Liquid)
¹H NMR Spectrum: Consistent with structure
Purity (GC): 98.52%
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