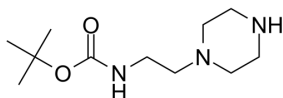


Certificate of Analysis

Product Name: 1-(2-N-Boc-aminoethyl)piperazine
Cat. No.: CS-W002960
CAS No.: 140447-78-5
Batch No.: Lc0404153
Chemical Name: Carbamic acid, N-[2-(1-piperazinyl)ethyl]-, 1,1-dimethylethyl ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₁H₂₃N₃O₂
Molecular Weight: 229.32
Storage: 2-8°C, protect from light
Chemical Structure:



ANALYTICAL DATA

Appearance: White to off-white (Solid)
¹H 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.

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