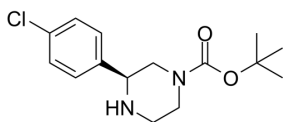


Certificate of Analysis

Product Name: tert-Butyl (S)-3-(4-chlorophenyl)piperazine-1-carboxylate
Cat. No.: CS-0092914
CAS No.: 1228561-86-1
Batch No.: Lc0620003
Chemical Name: 1-Piperazinecarboxylic acid, 3-(4-chlorophenyl)-, 1,1-dimethylethyl ester, (3S)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₅H₂₁ClN₂O₂
Molecular Weight: 296.79
Storage: Storage temp. 2-8°C
Chemical Structure:



ANALYTICAL DATA

Appearance: White to off-white (Solid)
¹H NMR Spectrum: Consistent with structure
LCMS: Consistent with structure
Purity (HPLC): 99.39%
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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