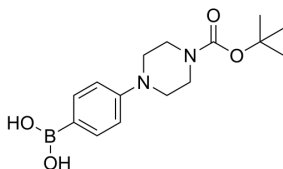


Certificate of Analysis

Product Name: (4-(4-(tert-Butoxycarbonyl)piperazin-1-yl)phenyl)boronic acid
Cat. No.: CS-0060942
CAS No.: 457613-78-4
Batch No.: 419500
Chemical Name: 1-Piperazinecarboxylic acid, 4-(4-boronophenyl)-, 1-(1,1-dimethylethyl) ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₅H₂₃BN₂O₄
Molecular Weight: 306.17
Storage: Store at room temperature
Chemical Structure:



ANALYTICAL DATA

Appearance: Off-white to light brown (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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