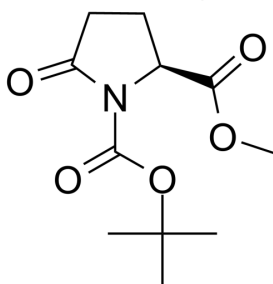


Certificate of Analysis

Product Name: Boc-L-Pyroglutamic acid methyl ester
Cat. No.: CS-W003361
CAS No.: 108963-96-8
Batch No.: Lf0513133483

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₁H₁₇NO₅
Molecular Weight: 243.26
Storage: Store at room temperature
Chemical Structure:



ANALYTICAL DATA

Appearance: White to off-white (Solid)
¹H NMR Spectrum: Consistent with structure
Purity (NMR): ≥98.0%
Water(KF): 0.06%
Residue on Ignition: 0.36%
OR(C=0.93g/100ml CHCL3): -32.3°
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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