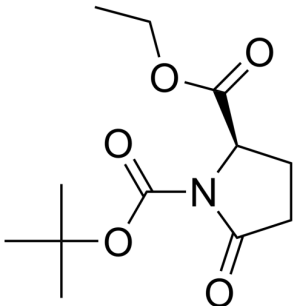


Certificate of Analysis

Compound Information

Product Name:	1-Boc-D-Pyroglutamic acid ethyl ester
Cat. No.:	1052732
CAS No.:	144978-35-8
Molecular Formula:	C ₁₂ H ₁₉ NO ₅
Molecular Weight:	257.28
Chemical Structure:	

Batch Information

Batch No.:	L395089
Storage:	Store at room temperature
Test Date:	2024-04-09
Retest Date:	2029-04-08
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (NMR):	≥98.0%
Optical Rotation[a]:	45.6467°(C=1.0044g/100ml MEOH)
Water(KF):	0.04%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

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