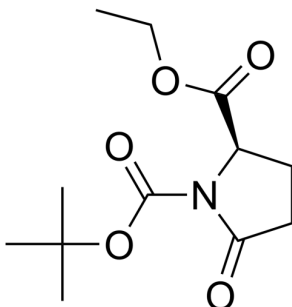


Certificate of Analysis

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.:	Le1129110628
Storage:	Store at room temperature
Test Date:	2021-11-29
Retest Date:	2026-11-28
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
¹ H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Optical Rotation:	Consistent with structure
Purity (LCMS):	99.97%
Water(KF):	0.10%
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

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai