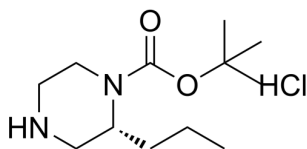


Certificate of Analysis

Compound Information

Product Name:	(R)-tert-Butyl 2-propylpiperazine-1-carboxylate hydrochloride
Cat. No.:	1223227
CAS No.:	1217449-00-7
Molecular Formula:	C ₁₂ H ₂₅ ClN ₂ O ₂
Molecular Weight:	264.79
Chemical Structure:	



Batch Information

Batch No.:	L342866
Storage:	Store at room temperature, keep dry and cool
Test Date:	2023-11-15
Retest Date:	2026-11-14
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (NMR):	≥98.0%
Optical Rotation[a]:	-37.501°(C=0.01g/ml MEOH)
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