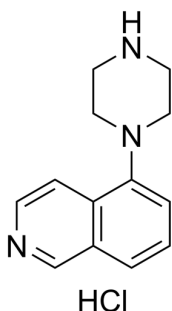


Certificate of Analysis

Compound Information

Product Name:	5-(Piperazin-1-yl)isoquinoline (hydrochloride)
Cat. No.:	1179951
CAS No.:	209733-17-5
Molecular Formula:	C ₁₃ H ₁₆ ClN ₃
Molecular Weight:	249.74
Chemical Structure:	



Batch Information

Batch No.:	Lg1019326022
Storage:	2-8°C, sealed storage, away from moisture
Test Date:	2019-12-02
Retest Date:	2022-12-01
Origin:	Shanghai, China

QC Summary

Appearance:	Yellow to orange (Solid)
¹ H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (LCMS):	97.70%
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