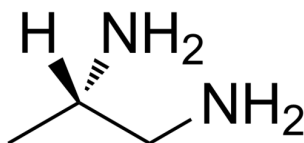


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	(S)-Propane-1,2-diamine dihydrochloride
<b>Cat. No.:</b>	1024961
<b>CAS No.:</b>	19777-66-3
<b>Molecular Formula:</b>	C <sub>3</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub>
<b>Molecular Weight:</b>	147.05
<b>Chemical Structure:</b>	



HCl      HCl

### Batch Information

<b>Batch No.:</b>	Ld051j40
<b>Storage:</b>	Store at room temperature
<b>Test Date:</b>	2020-05-13
<b>Retest Date:</b>	2025-05-12
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Optical Rotation:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Water(KF):</b>	0.08%
<b>Conclusion:</b>	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](mailto:product@leyan.com)

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