

## Certificate of Analysis

### Compound Information

**Product Name:** 4,4-Difluoropiperidine (hydrochloride)

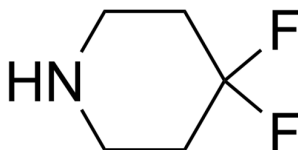
**Cat. No.:** 1021483

**CAS No.:** 144230-52-4

**Molecular Formula:** C<sub>5</sub>H<sub>10</sub>ClF<sub>2</sub>N

**Molecular Weight:** 157.59

**Chemical Structure:**



HCl

### Batch Information

**Batch No.:** Le022251712

**Storage:** 2-8°C, sealed storage, away from moisture

**Test Date:** 2021-01-12

**Retest Date:** 2024-01-11

**Origin:** Shanghai, China

### QC Summary

**Appearance:** White to light yellow (Solid)

**<sup>1</sup>H NMR Spectrum:** Consistent with structure

**Purity (NMR):** ≥97.0%

**Water(KF):** 0.03%

**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](mailto:product@leyan.com)

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