

## Certificate of Analysis

### Compound Information

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

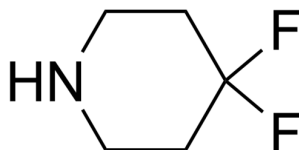
**Cat. No.:** 1021483

**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.:** Lg1011311305

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

**Test Date:** 2023-10-11

**Retest Date:** 2026-10-10

**Origin:** Shanghai, China

### QC Summary

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

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

**Purity (NMR):** ≥97.0%

**Residue on Ignition:** 0.19%

**Water(KF):** 0.13%

**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

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