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# Certificate of Analysis

## Compound Information

**Product Name:** (R)-tert-Butyl 3-(trifluoromethyl)piperazine-1-carboxylate

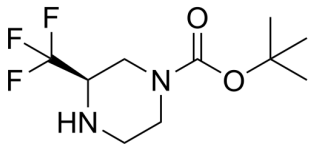
**Cat. No.:** 1159512

**CAS No.:** 1240587-88-5

**Molecular Formula:** $C_{10}H_{17}F_3N_2O_2$

**Molecular Weight:** 254.25

**Chemical Structure:**



## Batch Information

**Batch No.:** L333735

**Storage:** 2-8°C, protect from light

**Test Date:** 2024-01-16

**Retest Date:** 2027-01-15

**Origin:** Shanghai, China

## QC Summary

**Appearance:** White to off-white (Solid)

**$^1$H NMR Spectrum:** Consistent with structure

**MS:** Consistent with structure

**Purity (NMR):** ≥97.0%

**Optical Rotation[a]:** -2.4681°(C=0.939g/100ml CHCL3)

**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