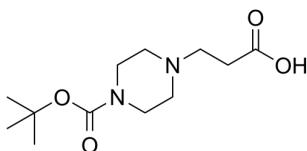


Certificate of Analysis

Compound Information

| | |
|----------------------------|---|
| Product Name: | 3-(4-(tert-Butoxycarbonyl)piperazin-1-yl)propanoic acid |
| Cat. No.: | 1199320 |
| CAS No.: | 242459-97-8 |
| Molecular Formula: | C ₁₂ H ₂₂ N ₂ O ₄ |
| Molecular Weight: | 258.31 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|---------------------------|
| Batch No.: | Lg0411235998 |
| Storage: | 2-8°C, protect from light |
| Test Date: | 2023-04-11 |
| Retest Date: | 2026-04-10 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | White to off-white (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (NMR): | ≥98.0% |
| 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