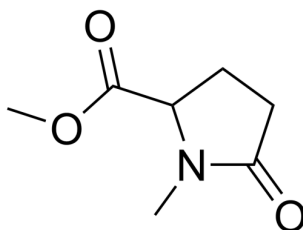


Certificate of Analysis

Compound Information

| | |
|----------------------------|---|
| Product Name: | 1-Methyl-5-oxo-pyrrolidine-2-carboxylic acid methyl ester |
| Cat. No.: | 1051239 |
| CAS No.: | 190783-99-4 |
| Molecular Formula: | C ₇ H ₁₁ NO ₃ |
| Molecular Weight: | 157.17 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|---------------------------|
| Batch No.: | Lf0517134114 |
| Storage: | Store at room temperature |
| Test Date: | 2022-05-21 |
| Retest Date: | 2027-05-20 |
| Origin: | Shanghai, China |

QC Summary

| | |
|--|---|
| Appearance: | Light yellow to yellow (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (GC): | 98.69% |
| OR[α]_D(C=0.99 g/100ml ETOH): | 0.10° |
| 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

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