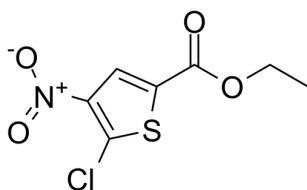


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	Ethyl 5-chloro-4-nitrothiophene-2-carboxylate
<b>Cat. No.:</b>	1063650
<b>CAS No.:</b>	89640-03-9
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>6</sub> ClNO <sub>4</sub> S
<b>Molecular Weight:</b>	235.64
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf0914168260
<b>Storage:</b>	2-8°C, protect from light
<b>Mfg. Date:</b>	2022-09-14
<b>Retest Date:</b>	2025-09-13
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Yellow to orange (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥98.0%
<b>Conclusion:</b>	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