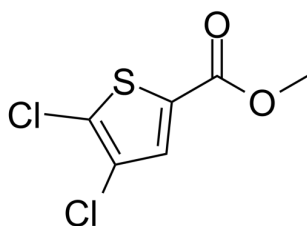


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	Methyl 4,5-dichlorothiophene-2-carboxylate (Rivaroxaban Impurity)
<b>Cat. No.:</b>	1240109
<b>CAS No.:</b>	89281-29-8
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> O <sub>2</sub> S
<b>Molecular Weight:</b>	211.07
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf0316126621
<b>Storage:</b>	Storage temp. 2-8°C
<b>Mfg. Date:</b>	2022-03-17
<b>Retest Date:</b>	2025-03-16
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Light brown to brown (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (HPLC):</b>	96.51%
<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.**

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