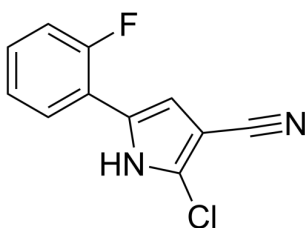


## Certificate of Analysis

### Compound Information

Product Name:	2-chloro-5-(2-fluorophenyl)-1H-pyrrole-3-carbonitrile (Vonoprazan Impurity)
Cat. No.:	1235208
CAS No.:	1240948-72-4
Molecular Formula:	C <sub>11</sub> H <sub>6</sub> ClFN <sub>2</sub>
Molecular Weight:	220.63
Chemical Structure:	



### Batch Information

Batch No.:	Le051170379
Storage:	Storage temp. 2-8°C
Test Date:	2021-07-07
Retest Date:	2024-07-06
Origin:	Shanghai, China

### QC Summary

Appearance:	Off-white to brown (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Assay(QNMR)	96.96%
Conclusion:	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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