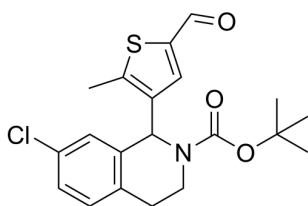


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	tert-Butyl 7-chloro-1-(5-formyl-2-methylthiophen-3-yl)-3,4-dihydroisoquinoline-2(1H)-carboxylate
<b>Cat. No.:</b>	1199604
<b>CAS No.:</b>	1858275-13-4
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>22</sub> ClNO <sub>3</sub> S
<b>Molecular Weight:</b>	391.91
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Le061274912
<b>Storage:</b>	-20°C, sealed storage, away from moisture
<b>Test Date:</b>	2020-01-15
<b>Retest Date:</b>	2023-01-14
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Light yellow to yellow (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Purity (LCMS):</b>	99.45%
<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