

# Certificate of Analysis

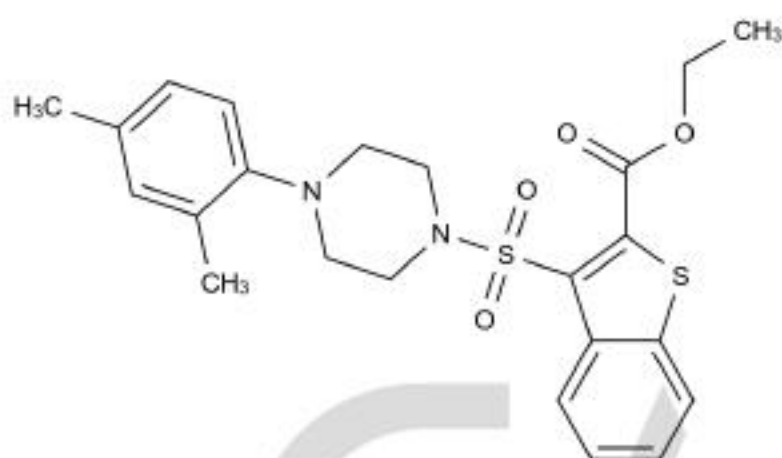
## Reference Material & Standard

|                           |                                                                                         |                          |                                           |
|---------------------------|-----------------------------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | ethyl 3-((4-(2,4-dimethylphenyl)piperazin-1-yl)sulfonyl)benzo[b]thiophene-2-carboxylate | <b>Catalogue Number:</b> | C1814173                                  |
| <b>Synonyms:</b>          | N/A                                                                                     | <b>Lot Number:</b>       | 0927-SA-7119                              |
| <b>CAS Number:</b>        | 941962-23-8                                                                             | <b>Expiry Date:</b>      | Sep 26, 29                                |
| <b>Molecular Formula:</b> | C <sub>23</sub> H <sub>26</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub>            | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 458.59                                                                                  |                          |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 96.947%   |

CATO Research Chemicals Inc.

Signature:

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Approved by General Manager:

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Date: Sep 27, 25

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Page 1 of 6



## Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Sep 27, 25 | First release.      |

