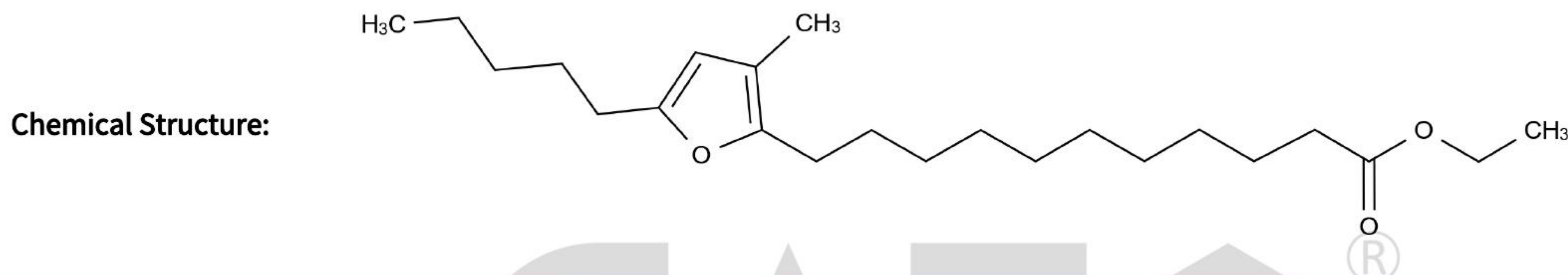


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                   |                          |                                           |
|---------------------------|---------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | ethyl 11-(3-methyl-5-pentylfuran-2-yl)undecanoate | <b>Catalogue Number:</b> | C4X-280624                                |
| <b>Synonyms:</b>          | N/A                                               | <b>Lot Number:</b>       | 1205-RF-0086                              |
| <b>CAS Number:</b>        | 76859-13-7                                        | <b>Expiry Date:</b>      | Dec 10, 2025                              |
| <b>Molecular Formula:</b> | C <sub>23</sub> H <sub>40</sub> O <sub>3</sub>    | <b>Storage:</b>          | -80°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 364.56                                            |                          |                                           |



| Test Items     | Method            | Results        |
|----------------|-------------------|----------------|
| Appearance     | Visual inspection | Colourless Oil |
| Identification | GCMS&HNMR         | Confirmed      |
| Purity         | HPLC              | 96.9%          |
| Assay          | qNMR              | 91.8%          |

CATO Research Chemicals Inc.

**Signature:**

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Jul 23, 2025

Date: Jul 23, 2025

Date: Jul 23, 2025

