

# Certificate of Analysis

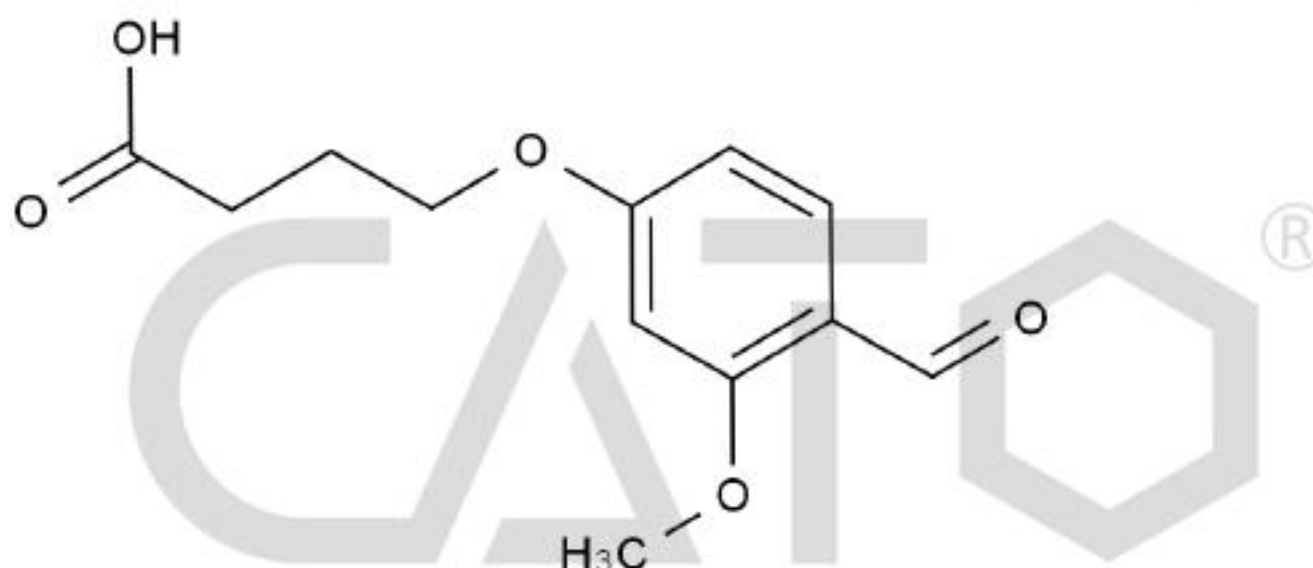
## Reference Material & Standard

|                    |                                                |                   |                                           |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | 4-(4-Formyl-3-methoxyphenoxy)butyric Acid      | Catalogue Number: | CCHM703132                                |
| Synonyms:          | N/A                                            | Lot Number:       | 1112-SA-7450                              |
| CAS Number:        | 309964-23-6                                    | Expiry Date:      | Nov 11, 28                                |
| Molecular Formula: | C <sub>12</sub> H <sub>14</sub> O <sub>5</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 238.24                                         |                   |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results          |
|-----------------|-------------------|------------------|
| Appearance      | Visual inspection | Yellowish powder |
| Identification: | LC&HNMR           | Confirmed        |
| Purity:         | HPLC              | 97.911%          |
| Uncertainty     |                   | ±2.0%            |

## Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Date: Nov 12, 24

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## 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           | Nov 12, 24 | First release.      |

