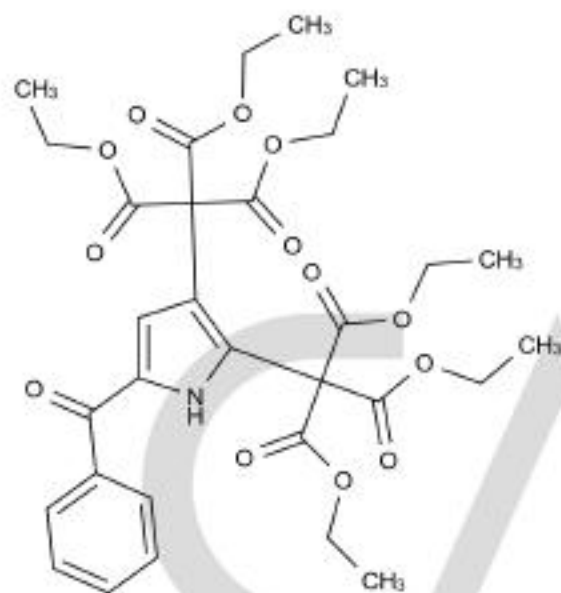


# Certificate of Analysis

## Reference Material & Standard

|                    |                       |                   |                                           |
|--------------------|-----------------------|-------------------|-------------------------------------------|
| Product Name:      | Ketorolac Impurity 54 | Catalogue Number: | C4X-166954                                |
| Synonyms:          | N/A                   | Lot Number:       | 0910-SA-7185                              |
| CAS Number:        | N/A                   | Expiry Date:      | Sep 09, 28                                |
| Molecular Formula: | $C_{31}H_{37}NO_{13}$ | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 631.62                |                   |                                           |

## Chemical Structure:



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 98.184%   |

## Signature:

Prepared by:

*Lisa*

Reviewed by:

*Yuki*

Approved by General Manager:

*David*

Date: Sep 10, 24

Date: Sep 10, 24

Date: Sep 10, 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           | Sep 10, 24 | First release.      |

