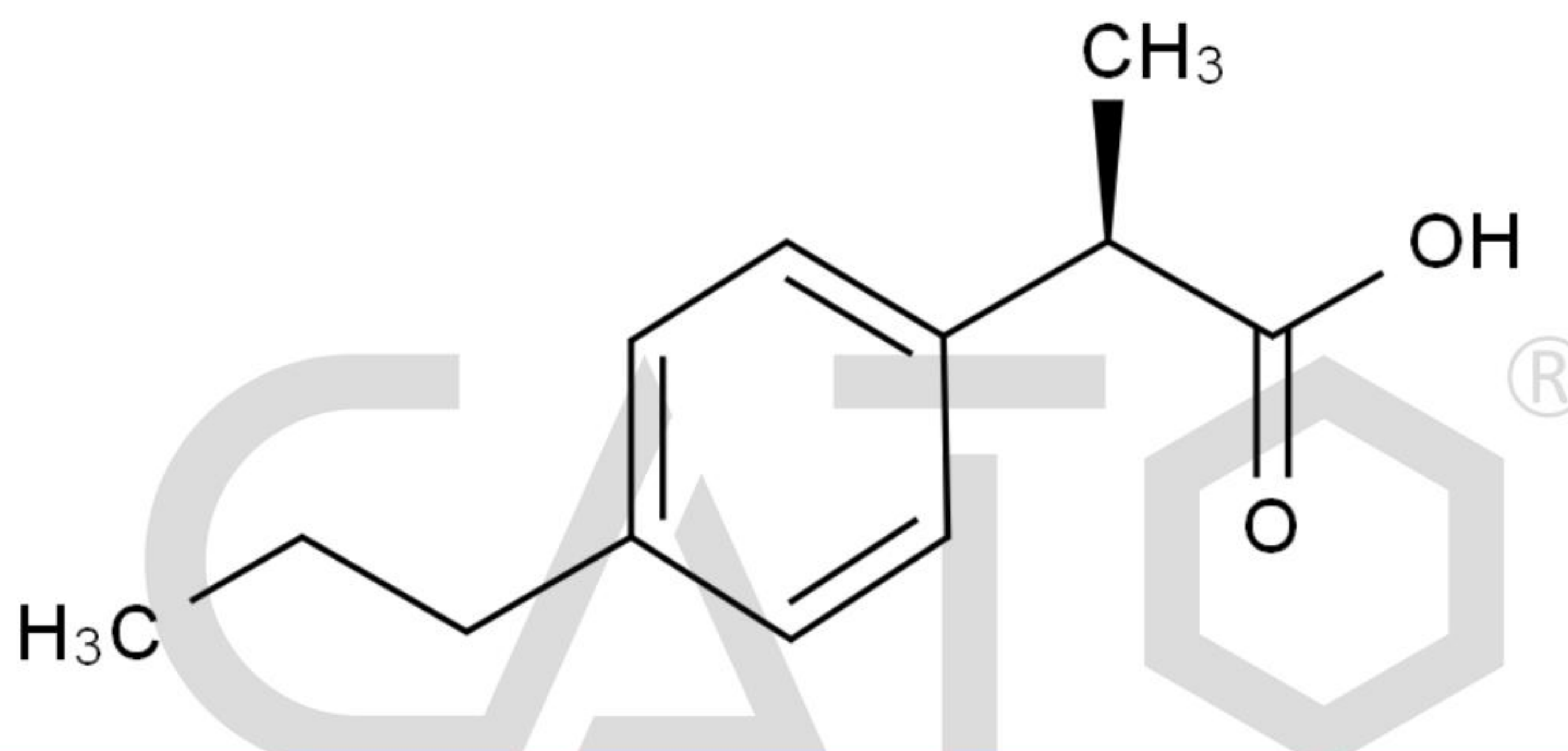


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                |                     |                                           |
|--------------------|------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Ibuprofen Impurity 104                         | Catalogue Number:   | C4X-1082104                               |
| Synonyms:          | N/A                                            | Lot Number:         | 0304-RG-0082                              |
| CAS Number:        | N/A                                            | Expiry Date:        | Jan 06, 2030                              |
| Molecular Formula: | C <sub>12</sub> H <sub>16</sub> O <sub>2</sub> | Storage:            | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 192.25                                         | Shipping Condition: | Shipping at Room Temperature              |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | GCMS&HNMR         | Confirmed       |
| Purity         | GC                | 99.473%         |
| Loss On Drying | TGA               | 0.0339%         |
| Assay          |                   | 99.4%           |

## Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity GC (%) / 100%

Loss On Drying is considered as absolute effect, GC purity is considered as relative effect.

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Jan 07, 2026

Date: Jan 07, 2026

Date: Jan 07, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

