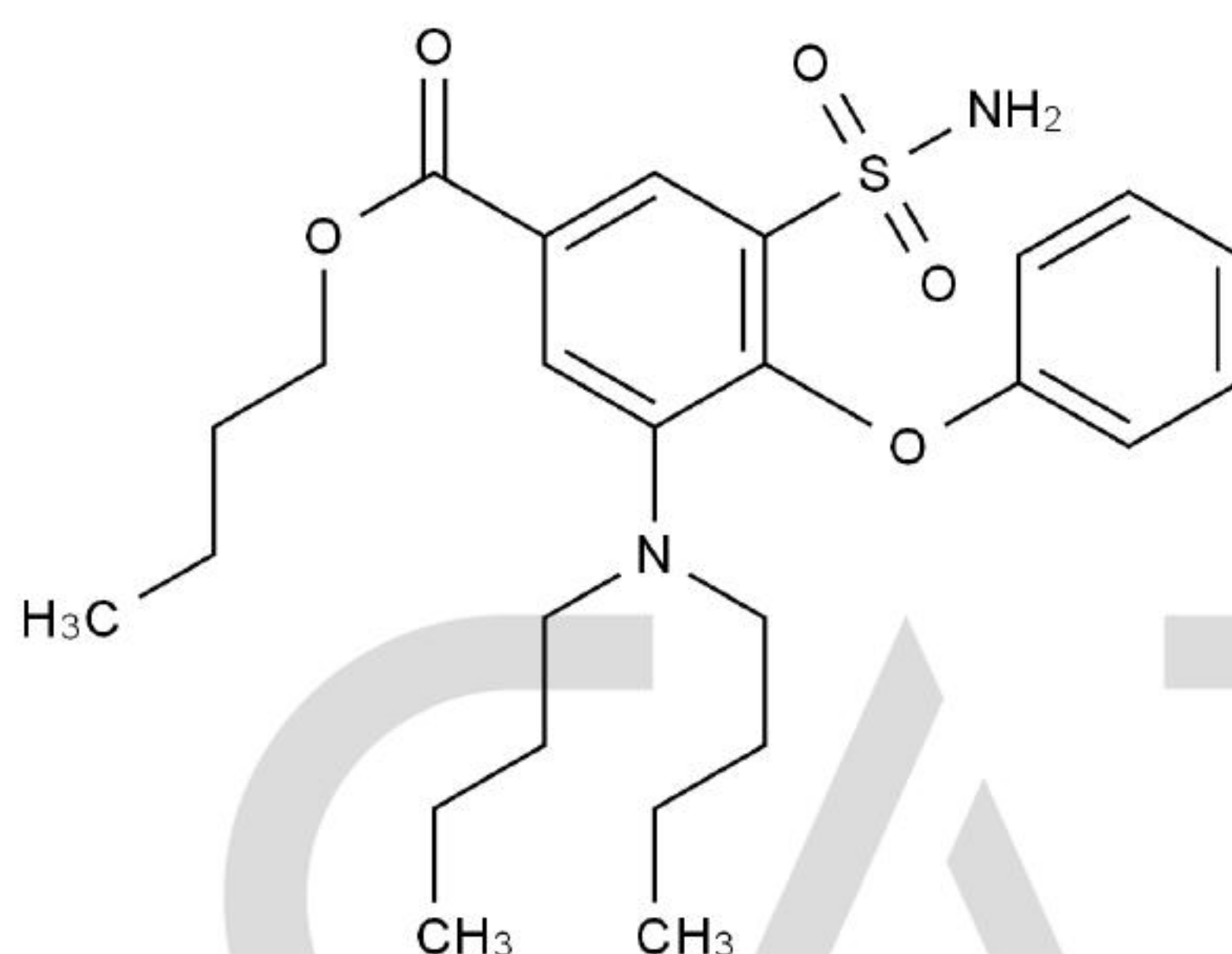


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                 |                   |                                           |
|--------------------|-----------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Bumetanide Impurity 23                                          | Catalogue Number: | C4X-198623                                |
| Synonyms:          | N/A                                                             | Lot Number:       | 0521-RF-0035                              |
| CAS Number:        | N/A                                                             | Expiry Date:      | May 20, 2027                              |
| Molecular Formula: | C <sub>25</sub> H <sub>36</sub> N <sub>2</sub> O <sub>5</sub> S | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 476.63                                                          |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results        |
|----------------|-------------------|----------------|
| Appearance     | Visual inspection | Colourless Oil |
| Identification | LCMS&HNMR         | Confirmed      |
| Purity         | HPLC              | 99.5%          |
| Assay          | qNMR              | 90.1%          |

## Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: May 21, 2024

Date: May 22, 2024

Date: May 22, 2024

