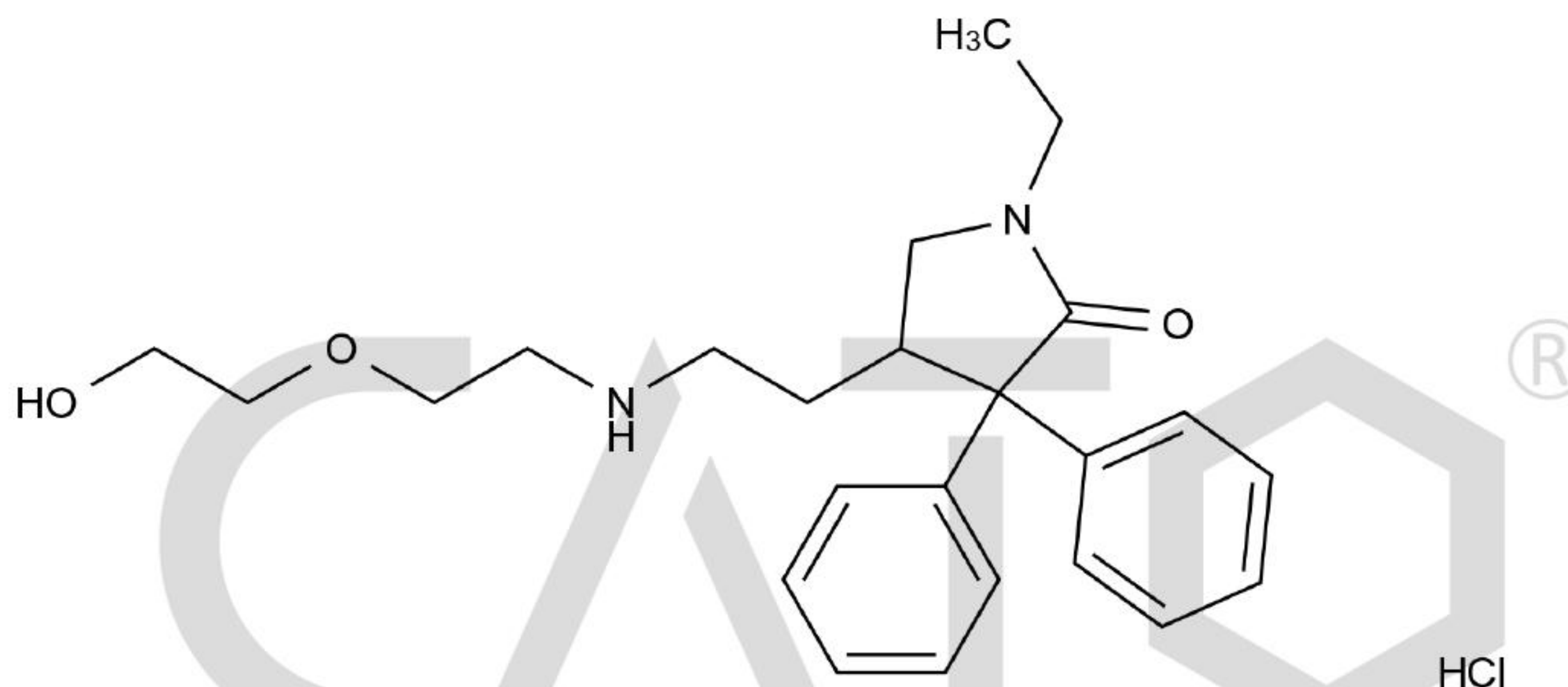


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                   |                   |                                                                                     |
|--------------------|-------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Doxapram Impurity 29                                              | Catalogue Number: | C4X-197329                                                                          |
| Synonyms:          | N/A                                                               | Lot Number:       | 1010-RF-0024                                                                        |
| CAS Number:        | N/A                                                               | Expiry Date:      | Sep 29, 2027                                                                        |
| Molecular Formula: | C <sub>24</sub> H <sub>32</sub> N <sub>2</sub> O <sub>3</sub> HCl | Storage:          | -20°C±5°C Protected from light and Sealed                                           |
| Molecular Weight:  | 396.52 36.46                                                      | Warning:          |  |

### Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 97.2896%        |
| Loss On Drying | TGA               | 3.604%          |
| Assay          |                   | 93.8%           |

### Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

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

### Signature:

Prepared by:

*Lily*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Oct 11, 2024

Date: Oct 11, 2024

Date: Oct 11, 2024

