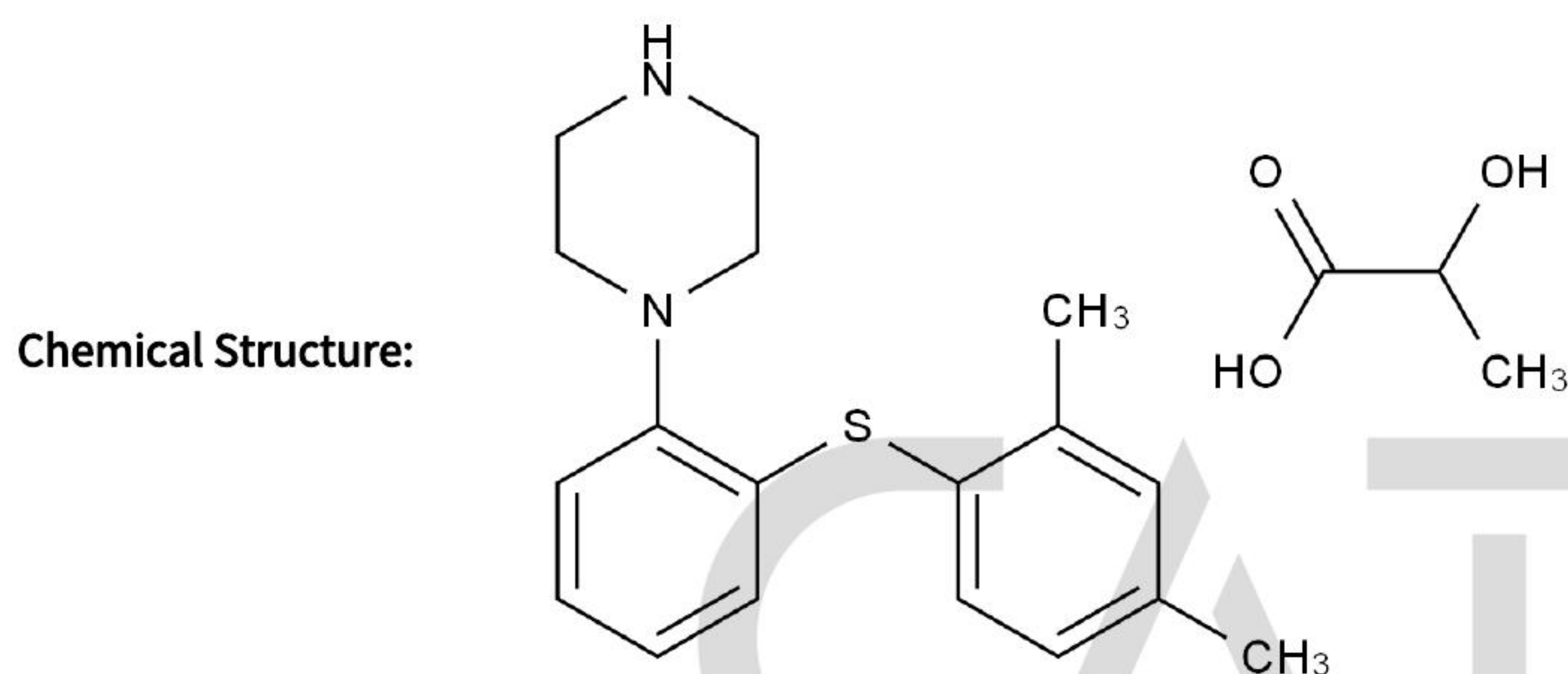


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                                               |                   |                                           |
|--------------------|-----------------------------------------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Vortioxetine Impurity 46                                                                      | Catalogue Number: | C4X-105646                                |
| Synonyms:          | N/A                                                                                           | Lot Number:       | 1031-RF-0078                              |
| CAS Number:        | 1253056-29-9                                                                                  | Expiry Date:      | Nov 03, 2027                              |
| Molecular Formula: | C <sub>18</sub> H <sub>22</sub> N <sub>2</sub> S C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 298.45 90.08                                                                                  |                   |                                           |



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 100.0%      |
| Assay          | qNMR              | 96.7%       |

## Comment:

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

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Nov 04, 2024

Date: Nov 04, 2024

Date: Nov 04, 2024

