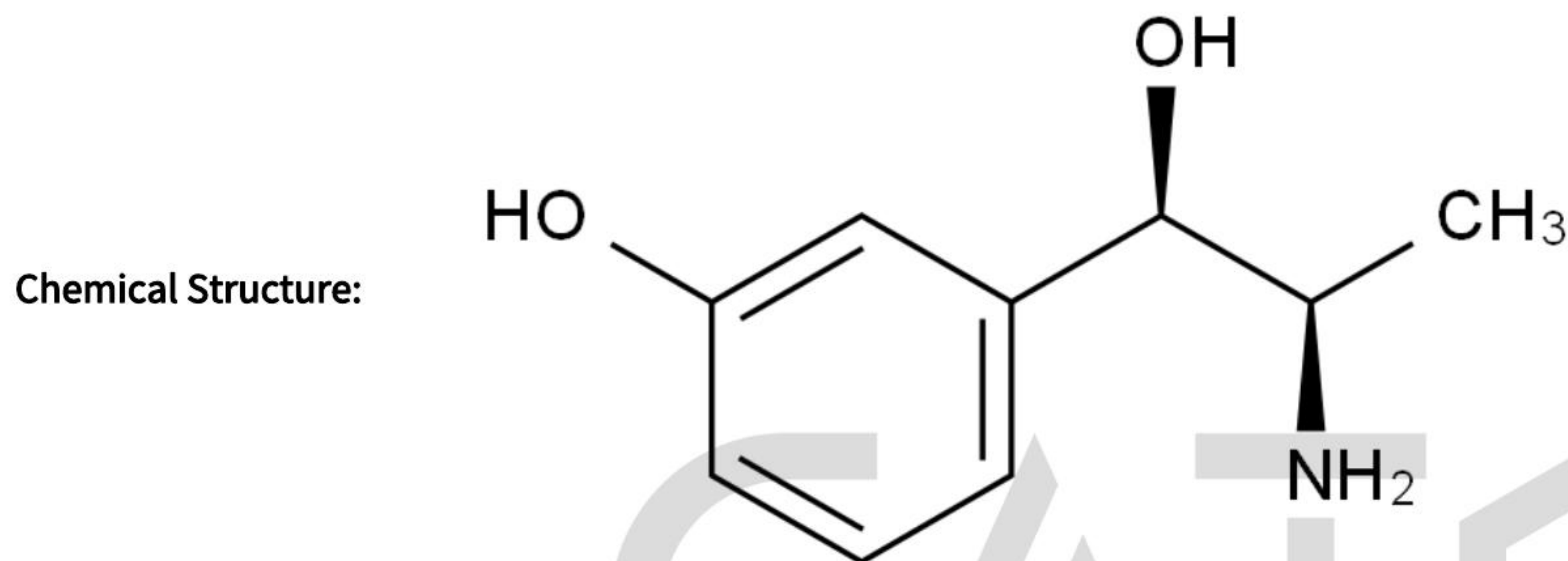


# Certificate of Analysis

## Reference Material

|                    |                                                |                   |                                           |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Metaraminol Impurity 27                        | Catalogue Number: | C4X-225227                                |
| Chemical Name:     | N/A                                            | Lot Number:       | 0818-RE-0007                              |
| CAS Number:        | 21480-43-3                                     | Expiry Date:      | Aug 14, 2026                              |
| Molecular Formula: | C <sub>9</sub> H <sub>13</sub> NO <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 167.21                                         |                   |                                           |



| Test Items        | Method            | Results                                                               |
|-------------------|-------------------|-----------------------------------------------------------------------|
| Appearance        | Visual inspection | Off-White Solid                                                       |
| Identification    | LCMS&IR&HNMR      | Confirmed                                                             |
| Purity            | HPLC              | 99.1821%                                                              |
| Water Content     | Karl Fischer      | 0.50%                                                                 |
| Residual Solvents | NMR               | 0.9% methanol and 0.2% isopropyl ether                                |
| Optical Rotation  |                   | [α] <sub>D</sub> <sup>25.0</sup> (c=0.35, CH <sub>3</sub> OH): -21.1° |
| Assay             |                   | 97.6%                                                                 |

## Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) \* Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

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Reviewed by:

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Aproved by General manager:

*David*

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Date: Aug 22, 2023

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