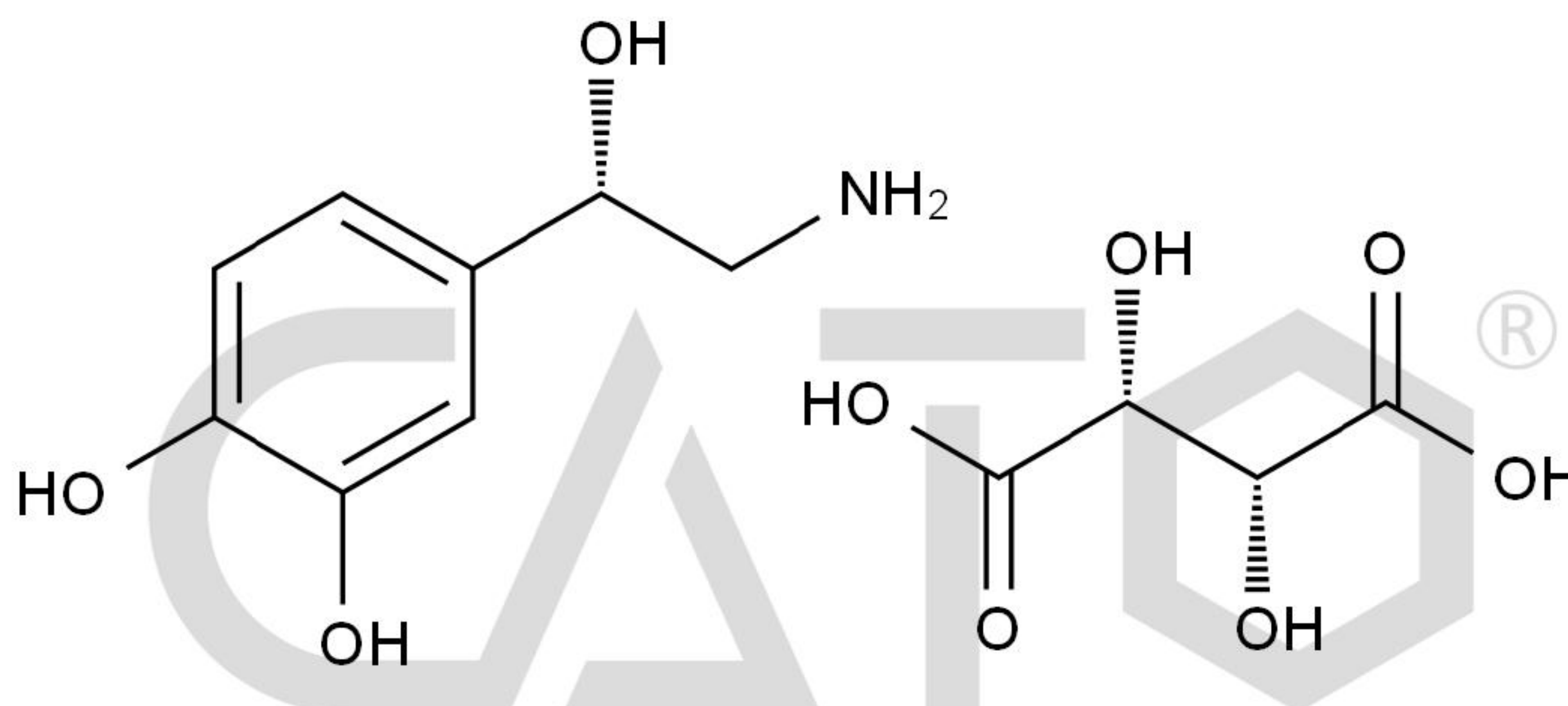


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                                             |                            |                                           |
|---------------------------|---------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | D-Norepinephrine L-TARTARIC ACID                                                            | <b>Catalogue Number:</b>   | C4X-151433                                |
| <b>Synonyms:</b>          | N/A                                                                                         | <b>Lot Number:</b>         | 0819-RG-0014                              |
| <b>CAS Number:</b>        | 636-88-4                                                                                    | <b>Expiry Date:</b>        | Aug 19, 2029                              |
| <b>Molecular Formula:</b> | C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub> C <sub>4</sub> H <sub>6</sub> O <sub>6</sub> | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 169.18 150.09                                                                               | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&CNMR&HNMR    | Confirmed       |
| Purity         | HPLC              | 100.0%          |
| Assay          | qNMR              | 97.9%           |

Signature:

Prepared by:

*Koi*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Jan 21, 2026

Date: Jan 21, 2026

Date: Jan 21, 2026



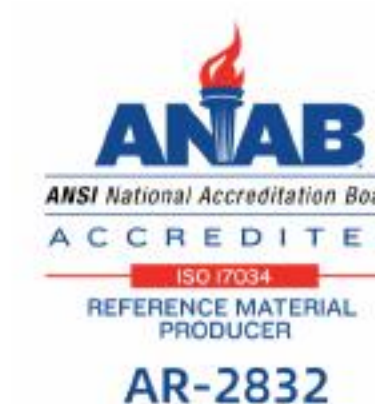
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