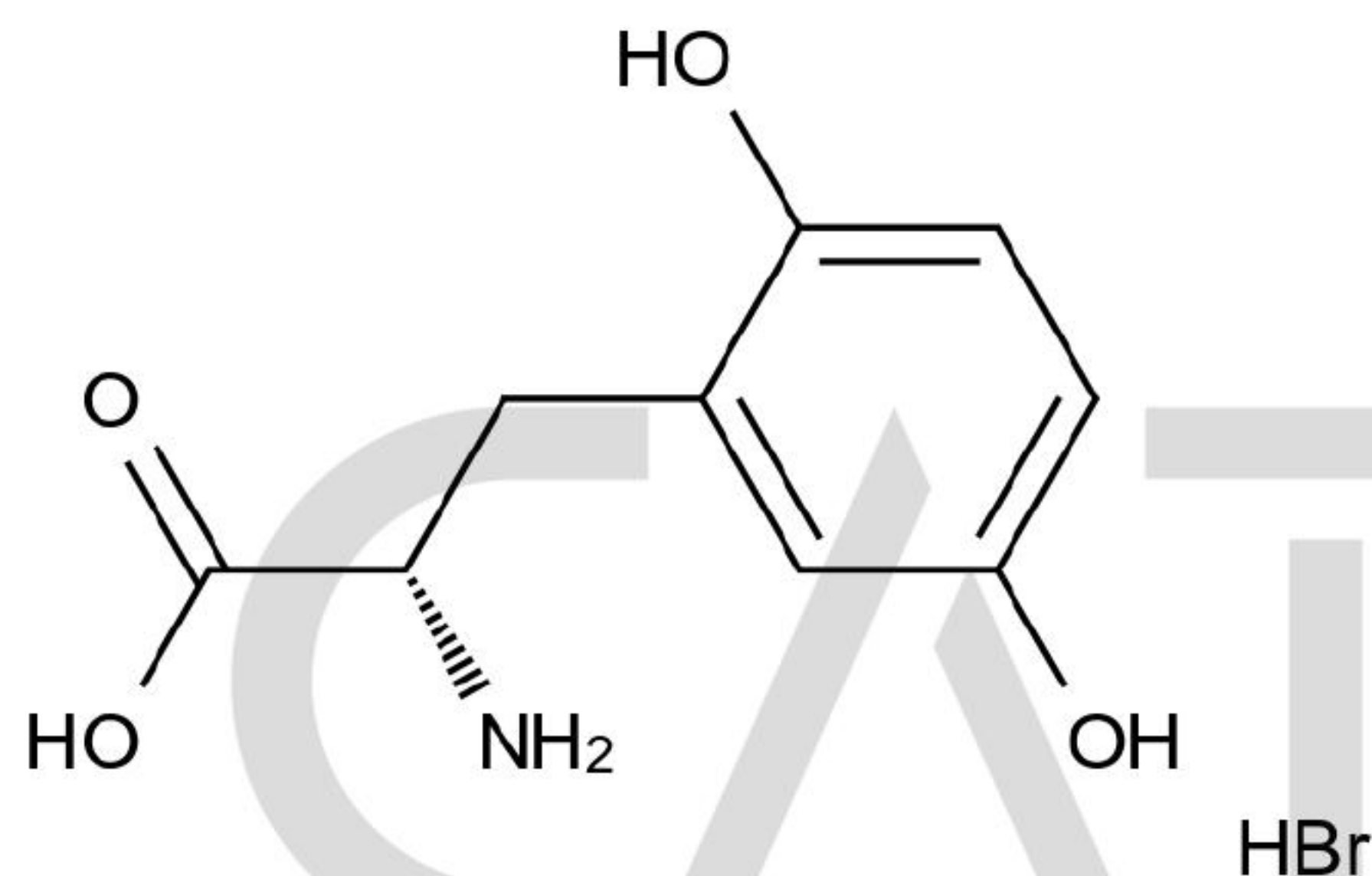


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                |                          |                                                                                      |
|---------------------------|----------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| <b>Product Name:</b>      | (S)-2-amino-3-(2,5-dihydroxyphenyl)propanoic acid hydrobromide | <b>Catalogue Number:</b> | C1497581                                                                             |
| <b>Synonyms:</b>          | N/A                                                            | <b>Lot Number:</b>       | 0627-RG-0052                                                                         |
| <b>CAS Number:</b>        | 32361-24-3                                                     | <b>Expiry Date:</b>      | Jun 23, 2027                                                                         |
| <b>Molecular Formula:</b> | C <sub>9</sub> H <sub>11</sub> NO <sub>4</sub> HBr             | <b>Storage:</b>          | -20°C±5°C Protected from light and Sealed                                            |
| <b>Molecular Weight:</b>  | 197.19 80.91                                                   | <b>Warning:</b>          |  |

Chemical Structure:



| Test Items       | Method            | Results                                                       |
|------------------|-------------------|---------------------------------------------------------------|
| Appearance       | Visual inspection | White to Off-White Solid                                      |
| Identification   | LCMS&IR&CNMR&HNMR | Confirmed                                                     |
| Purity           | HPLC              | 95.9%                                                         |
| Optical Rotation |                   | [α] <sub>D</sub> <sup>25.0</sup> (c=1.07, 1N HCl(aq)): +4.49° |
| Assay            | qNMR              | 94.5%                                                         |

Signature:

Prepared by:

*Lily*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Jul 01, 2025

Date: Jul 01, 2025

Date: Jul 01, 2025

