



Certificate of Analysis

| | |
|---------------------|---------------------------|
| Product Name | Norepinephrine bitartrate |
| Catalog No. | V12242 |
| Batch No. | V1224201 |

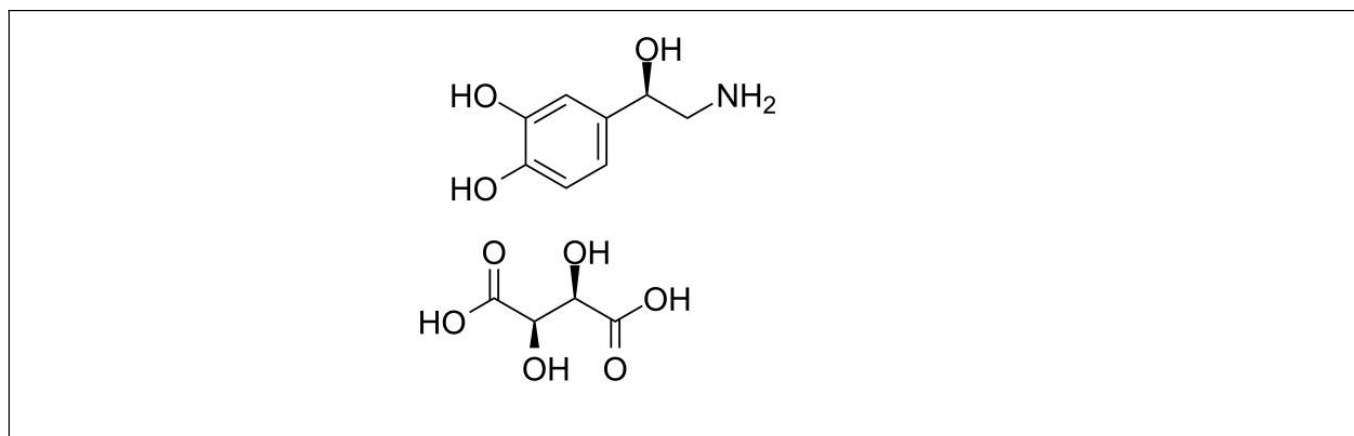
1. Physical and Chemical Properties

| | |
|--------------------------|---|
| Appearance | Powder |
| Molecular Formula | C ₁₂ H ₁₇ NO ₉ |
| Molecular Weight | 319.26 |
| Purity | ≥98.0% |
| CAS No. | 51-40-1 |

2. Analytical Data

| | |
|----------------------|---------------------------|
| HPLC | Indicates ≥98.0% purity |
| NMR | Consistent with structure |
| Mass Spectrum | Consistent with structure |

3. Structure



4. Storage Condition

| | |
|-----------------------------------|------------------------------|
| Short term storage (weeks) | 0 - 4 °C under dry condition |
| Long term storage (months) | -20 °C under dry condition |

Products are for research use only • Not for human or veterinary use