

### Certificate of Analysis

|              |                   |
|--------------|-------------------|
| Product Name | Spermidine triHCl |
| Catalog No.  | V40020            |
| Batch No.    | V4002001          |

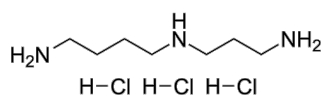
#### 1. Physical and Chemical Properties

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Appearance        | Powder                                                        |
| Molecular Formula | C <sub>7</sub> H <sub>22</sub> CL <sub>3</sub> N <sub>3</sub> |
| Molecular Weight  | 254.6287                                                      |
| Purity            | ≥98%                                                          |
| CAS No.           | 334-50-9                                                      |
| Production Date   | 2024/07/18                                                    |

#### 2. Analytical Data

| Test Item | Specification             | Result   |
|-----------|---------------------------|----------|
| HPLC      | ≥98%                      | ≥98%     |
| NMR       | Consistent with structure | Confirms |

#### 3. Structure



#### 4. Storage Condition

|                   |                                                                                                                                 |       |          |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------|-------|----------|
| Storage Condition | Powder                                                                                                                          | -20°C | 3 years  |
|                   |                                                                                                                                 | 4°C   | 2 years  |
|                   | In solvent                                                                                                                      | -80°C | 6 months |
|                   |                                                                                                                                 | -20°C | 1 month  |
|                   | <b>Note:</b> Please store this product in a sealed and protected environment (e.g. under nitrogen), avoid exposure to moisture. |       |          |

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