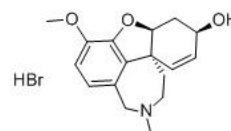


## Technical Data Sheet

### Galantamine Hydrobromide

#### Compound Information

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| <b>Product Name:</b>      | Galantamine Hydrobromide                          |
| <b>CAS No.:</b>           | 1953-04-4                                         |
| <b>Molecular Formula:</b> | C <sub>17</sub> H <sub>22</sub> BrNO <sub>3</sub> |
| <b>Molecular Weight:</b>  | 368.27                                            |
| <b>Revision Date:</b>     | 2026-04-15                                        |



#### Analytical Information

| Tests               | Specifications                                                                                                                 |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Appearance          | White crystalline powder                                                                                                       |
| Purity (HPLC)       | 98 - 102% (Galanthamine)                                                                                                       |
| Melting Point       | 256 °C                                                                                                                         |
| pH                  | 4.5 - 6.5                                                                                                                      |
| Solubility          | Sparingly soluble in water, very slightly soluble in anhydrous ethanol. It dissolves in dilute solutions of alkali hydroxides. |
| Specific Rotation   | -90° - -100° (2% in water)                                                                                                     |
| UV Absorption       | 79.6 - 86.2 (289 nm, 50 µg in 1 ml water)                                                                                      |
| Heavy Metals        | ≤ 10 ppm                                                                                                                       |
| Loss on Drying      | ≤ 1.0%                                                                                                                         |
| Related Substances  | Single impurity: ≤ 0.1%; Total impurities: ≤ 1.0%; Dihydrogalantamine: ≤ 0.1%; Alkaloid: Consistent with standard              |
| Arsenic             | ≤ 2 ppm                                                                                                                        |
| Sulfated Ash        | ≤ 1.0%                                                                                                                         |
| <a href="#">NMR</a> | Pass test                                                                                                                      |

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