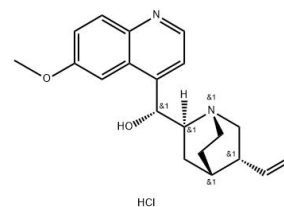


## Technical Data Sheet

### Quinine dihydrochloride

#### Compound Information

|                           |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| <b>Product Name:</b>      | Quinine dihydrochloride                                         |
| <b>CAS No.:</b>           | 60-93-5                                                         |
| <b>Molecular Formula:</b> | C <sub>20</sub> H <sub>25</sub> ClN <sub>2</sub> O <sub>2</sub> |
| <b>Molecular Weight:</b>  | 360.88                                                          |
| <b>Storage:</b>           | 4°C, protect from light, sealed                                 |
| <b>Revision Date:</b>     | 2026-04-27                                                      |



#### Analytical Information

| Tests                  | Specifications                                                                                                                                                                                                                                                  |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description            | Quinine dihydrochloride is an orally active alkaloid extracted from cinchona bark and can be used in anti-malarial studies. Quinine dihydrochloride is also a potassium channel inhibitor that inhibits WT mouse Slo3 (KCa5.1) channel currents evoked by volta |
| Appearance             | White powder                                                                                                                                                                                                                                                    |
| Assay                  | 99 - 101%                                                                                                                                                                                                                                                       |
| Identification         | HNMR                                                                                                                                                                                                                                                            |
| Solubility             | DMSO 50 mg/mL; Water                                                                                                                                                                                                                                            |
| <a href="#">1H NMR</a> | Pass test                                                                                                                                                                                                                                                       |

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