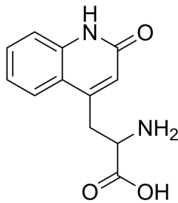
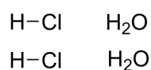


## Certificate of Analysis

### Compound Information

|                            |  |
|----------------------------|--|
| <b>Product Name:</b>       | 2-Amino-3-(2-oxo-1,2-dihydroquinolin-4-yl)propanoic acid dihydrochloride dihydrate |
| <b>Cat. No.:</b>           | 1061265  |
| <b>CAS No.:</b>            | 914769-50-9  |
| <b>Molecular Formula:</b>  | C <sub>12</sub> H <sub>18</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>5</sub>      |
| <b>Molecular Weight:</b>   | 341.19   |
| <b>Chemical Structure:</b> |   |



### Batch Information

|                     |                     |
|---------------------|---------------------|
| <b>Batch No.:</b>   | Le090197044         |
| <b>Storage:</b>     | Storage temp. 2-8°C |
| <b>Test Date:</b>   | 2016-06-30          |
| <b>Retest Date:</b> | 2022-06-29          |
| <b>Origin:</b>      | Shanghai, China     |

### QC Summary

|                                    |   |
|------------------------------------|---|
| <b>Appearance:</b>                 | White to off-white (Solid)  |
| <b><sup>1</sup>H NMR Spectrum:</b> | Consistent with structure   |
| <b>MS:</b>                         | Consistent with structure   |
| <b>Purity (HPLC):</b>              | 99.86%  |
| <b>Conclusion:</b>                 | The product has been tested and complies with the given specifications. |

**Caution: Research use only and are not intended for human use.**

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