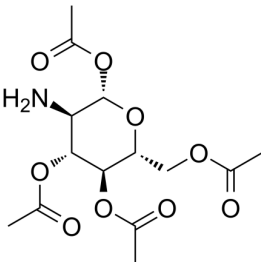


## Certificate of Analysis

### Compound Information

|                            |   |
|----------------------------|---|
| <b>Product Name:</b>       | 1,3,4,6-Tetra-O-acetyl- $\beta$ -D-glucosamine Hydrochloride                      |
| <b>Cat. No.:</b>           | 1014635   |
| <b>CAS No.:</b>            | 10034-20-5  |
| <b>Molecular Formula:</b>  | C <sub>14</sub> H <sub>22</sub> ClNO <sub>9</sub>                                 |
| <b>Molecular Weight:</b>   | 383.78  |
| <b>Chemical Structure:</b> |  |

HCl

### Batch Information

|                     |                     |
|---------------------|---------------------|
| <b>Batch No.:</b>   | Lf1109180980        |
| <b>Storage:</b>     | Storage temp. -20°C |
| <b>Mfg. Date:</b>   | 2022-11-09          |
| <b>Retest Date:</b> | 2025-11-08          |
| <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>Purity (NMR):</b>               | ≥97.0%  |
| <b>OR(C=1.01 g/100ml MEOH):</b>    | -35.0°  |
| <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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