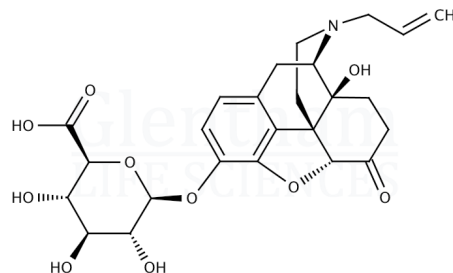


## Certificate of Analysis

|               |                        |
|---------------|------------------------|
| Product Name  | Naloxone-3-glucuronide |
| Glentham Code | GP0896                 |
| CAS Number    | 22135-79-1             |
| MDL-Nummer    | MFCD00878774           |
| PubChem SID   | 310277433              |
| Batch Number  | 863OIV                 |

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|                   |                                                  |
|-------------------|--------------------------------------------------|
| Molecular Weight  | 503.50                                           |
| Molecular Formula | C <sub>25</sub> H <sub>29</sub> NO <sub>10</sub> |
| Storage Temp.     | +4°C                                             |



| Property                | Specification                       | Batch 863OIV    |
|-------------------------|-------------------------------------|-----------------|
| Physical Description    | Off-white solid                     | Off-white solid |
| Identification (1H-NMR) | To conform to structure             | Entspricht      |
| Solubility              | Soluble in DMSO, methanol and water | Entspricht      |
| Purity (HPLC)           | ≥ 95.0%                             | 95.3%           |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2022-10-13 |
| Re-Test Date          | 2030-12-20 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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