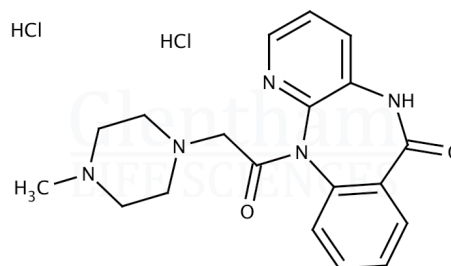


## Certificate of Analysis

|                 |                             |
|-----------------|-----------------------------|
| Product Name    | Pirenzepine dihydrochloride |
| Glentham Code   | GP0823                      |
| CAS Number      | 29868-97-1                  |
| EINECS          | 249-907-5                   |
| MDL-Nummer      | MFCD00055214                |
| PubChem SID     | 310279071                   |
| Zusätzliche CAS | 28797-61-7                  |
| Batch Number    | 658NXR                      |

|                   |                                 |
|-------------------|---------------------------------|
| Molecular Weight  | 424.32                          |
| Molecular Formula | $C_{19}H_{21}N_5O_2 \cdot 2HCl$ |
| Storage Temp.     | +20°C                           |



| Property                 | Specification                                               | Batch 658NXR               |
|--------------------------|-------------------------------------------------------------|----------------------------|
| Physical Description     | White to off-white or pale yellow powder                    | Off-white powder           |
| Solubility (5% in water) | Clear to faintly turbid, colourless to pale yellow solution | Clear, colourless solution |
| Water                    | ≤ 6.0%                                                      | 4.3%                       |
| Assay                    | 98.0 - 102.0 % (dried basis)                                | 100.2%                     |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2019-01-02 |
| Re-Test Date          | 2029-03-06 |

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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