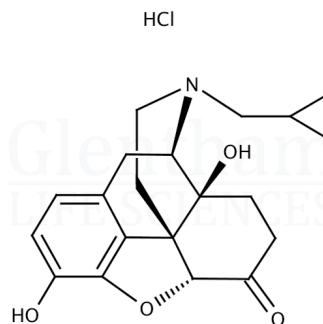


Product Specification

| | |
|---------------|--|
| Product Name | Naltrexone hydrochloride, Ph. Eur. grade |
| Glentham Code | GP1217 |
| CAS Number | 16676-29-2 |
| EINECS | 240-723-0 |
| MDL Number | MFCD00069324 |
| PubChem SID | 310277441 |

| | |
|-------------------|--|
| Molecular Weight | 377.86 |
| Molecular Formula | $C_{19}H_{21}NO_4 \cdot HCl \cdot xH_2O$ |
| Storage Temp. | +4°C |



| Property | Specification |
|--------------------------------|---|
| Physical Description | White or almost white powder |
| Identification | According to EP |
| Solubility | 2% in water: Clear, colourless solution |
| Acidity and Alkalinity | According to EP |
| Specific Optical Rotation | -187 - -195 ° |
| Related Substances | According to EP |
| Ethanol | ≤ 3.0% |
| Water | ≤ 10.0% |
| Sulphated Ash | ≤ 0.1% |
| Assay | 98.0 - 102.0 % |
| Pharmacopoeia Specification(s) | EP |

| | |
|-----------------------|--------------|
| Specification Version | - v1.0 |
| Date Created | - 2015-03-16 |

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 or contact us using the details above for the current version of this document.

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