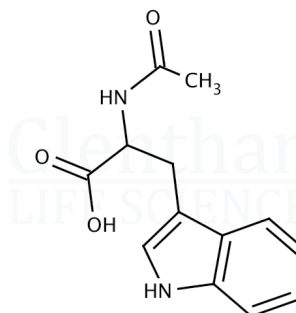


Product Specification

| | |
|-------------------|---|
| Product Name | N-Acetyl-DL-tryptophan, Ph. Eur. grade |
| Glentham Code | GM2191 |
| CAS Number | 87-32-1 |
| EINECS | 201-739-3 |
| MDL Number | MFCD00005644 |
| Molecular Weight | 246.27 |
| Molecular Formula | C ₁₃ H ₁₄ N ₂ O ₃ |
| Storage Temp. | +20°C |



| Property | Specification |
|---|---|
| Physical Description | White or almost white, crystalline powder, or colourless crystals |
| Identification | A: To pass optical rotation test |
| Identification (IR) | B: To conform to standard |
| Identification (TLC) | C: To pass test |
| Identification | D: To pass heat test |
| Identification | E: Reaction of acetyl test |
| Appearance of Solution | 1% in 4% NaOH: Clear, colourless solution (≤ Y7 or ≤ GY7) |
| Specific Optical Rotation ([α] _D ²⁰) | -0.1 - +0.1 ° (c=10, 4% w/v NaOH) |
| Related Substances | ≤ 0.25% (any individual impurity) |
| Total Impurities | ≤ 0.5% |
| Ammonium (NH ₄) | ≤ 200ppm |
| Iron (Fe) | ≤ 10ppm |
| Heavy Metals (as Pb) | ≤ 10ppm |
| Loss on Drying | ≤ 0.5% (105°C) |
| Sulphated Ash | ≤ 0.1% |
| Assay | 99.0 - 101.0 % (dried basis) |
| Bacterial Endotoxins | ≤ 50IU/g |
| Pharmacopoeia Specification(s) | Ph. Eur. |

| | |
|-----------------------|--------------|
| Specification Version | - v1.0 |
| Date Created | - 2020-04-22 |

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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