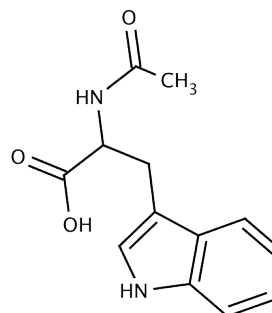


## Product Specification

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 <sub>13</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>
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] <sub>D</sub> <sup>20</sup> )	-0.1 - +0.1 ° (c=10, 4% w/v NaOH)
Related Substances	≤ 0.25% (any individual impurity)
Total Impurities	≤ 0.5%
Ammonium (NH <sub>4</sub> )	≤ 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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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