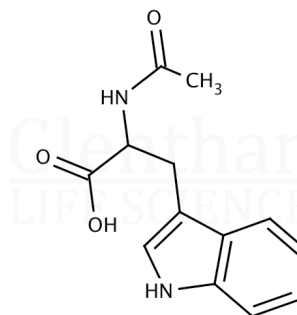


Product Specification

Product Name	N-Acetyl-DL-tryptophan, Ph. Eur. grade
Glenthams 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 (\leq Y7 or \leq GY7)
Specific Optical Rotation ($[\alpha]_{20/D}$)	-0.1 - +0.1 ° (c=10, 4% w/v NaOH)
Related Substances	\leq 0.25% (any individual impurity)
Total Impurities	\leq 0.5%
Ammonium (NH ₄)	\leq 200ppm
Iron (Fe)	\leq 10ppm
Heavy Metals (as Pb)	\leq 10ppm
Loss on Drying	\leq 0.5% (105°C)
Sulphated Ash	\leq 0.1%
Assay	99.0 - 101.0 % (dried basis)
Bacterial Endotoxins	\leq 50IU/g
Pharmacopoeia Specification(s)	Ph. Eur.

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

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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