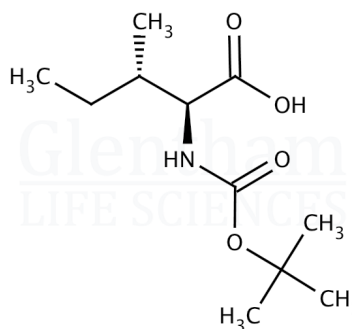


## Certificate of Analysis

Product Name	Boc-Ile-OH
Glentham Code	GM4410
CAS Number	13139-16-7
EINECS	236-074-8
MDL Number	MFCD00038324
PubChem SID	310268227
Additional CAS	204138-23-8 ( $\cdot xH_2O$ )
Batch Number	327YNS

Molecular Weight	231.06 (anhydrous)
Molecular Formula	$C_{11}H_{21}NO_4 \cdot xH_2O$
Storage Temp.	+20°C



Property	Specification	Batch 327YNS
Physical Description	White to almost white powder or crystals	White powder
Identification (IR)	To conform to standard	Conforms
Solubility (10% in DMF)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+8.0 - +12.0 ° (c=1, ethanol)	+11.2°
Melting Point	55.0 - 65.0 °C	60.8°C
Water (KF)	≤ 5.0%	3.7%
Purity (HPLC)	≥ 98.0%	99.9%

Specification Version	v1.0
Manufacture Date	2022-07-25
Re-Test Date	2030-11-02

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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