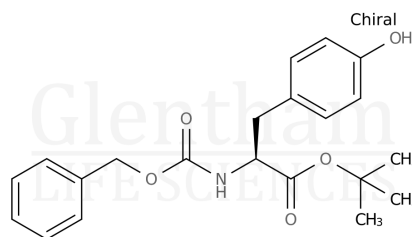


Certificate of Analysis

Product Name	Z-L-Tyrosine tert-butyl ester hydrate
Glentham Code	GH7783
CAS Number	16881-33-7
MDL Number	MFCD01632090
Batch Number	912XJW

Molecular Weight	389.4
Molecular Formula	$C_{21}H_{25}NO_5 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 912XJW
Physical Description	White powder	Conforms
Identification	IR	Conforms
	NMR	Conforms
Water (KF)	≤ 5.0%	0.866%
Loss on Drying	≤ 1.0% (35°C, 2h)	0.76%
Specific Optical Rotation	Reported	-20.8° (a ₂₀ D, c=1, DMF)
Purity (HPLC)	≥ 98.0%	99.38%

Specification Version	v1.0
Manufacture Date	2014-02-18
Re-Test Date	2019-07-28

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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