

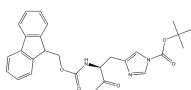


杭州泽尔瑞化学有限公司

HANGZHOU ZEERRUI CHEMICAL CO., LTD

Certificate of analysis

COA No:ZER12003192

Product Name	Fmoc-His(Boc)-OH
CAS No	81379-52-4
Molecular Formula	
Molecular Weight	477.50
Batch no	ZERFHBO20191125
Manufacturing date	20191125

Index Name	Specification	Result
Appearance	White to off white powder	White powder
Purity(HPLC)	≥97%	99.76%
TLC	≥98%	>98%
Optical Purity	≤0.5% D-enantiomer	Not detectable
Melting Point	110-135°C	130.0-131.2°C
Specific Rotation[α] ²⁰ D	-7° ±2.5° (C=1 in DMF)	-8.1° (C=1 in DMF)
Clarity of solution	0.3gram in 2ml DMF clear solution	Complies
Water Content (K.F.)	≤3.0%	0.30%
Loss on drying	≤3.0%(60°C,2h)	0.77%
Element analysis(C、H、N)	≤5%	<5%
Mass Spectrum	In accordance with the structure	Complies
IR Spectrum	In accordance with the structure	Complies
NMR Spectrum	In accordance with the structure	Complies
Conclusion	Conforms to the standard of enterprise	

Storage: Cool dry place(≤-18 °C)

杭州泽尔瑞化学有限公司
HANGZHOU ZEERRUI CHEMICAL CO.,LTD.

CHECK:

叶明杰

INSPECTION:

