



Certificate of Analysis

Product name	H-Ser(tBu)-OH	Manufacture date	June,10,2024
CAS No.	18822-58-7	Analysis date	June,11,2024
Batch number	20240610	Retest Date	20270610
Item	Specification	Result	
Appearance	White powder	Comply	
Purity(HPLC)	≥98%	99.91%	
TLC	≥98%	>98%	
Optical Purity	≤0.5% D-enantiomer	0.13%	
Melting Point	~220°C	213.5-214.5°C	
Specific Rotation	-16.5±1°(C=1 in H ₂ O)	-17.3°(C=1 in H ₂ O)	
Clarity of solution	0.1 gram in 2ml H ₂ O clear solution	Comply	
Loss on drying	≤2.0%(70°C,2h)	1.32%	
Element analysis(C、H、N)	≤5.0%	<5.0%	
IR Spectrum	In accordance with the structure	Comply	
Mass Spectrum	In accordance with the structure	Comply	
NMR Spectrum	In accordance with the structure	Comply	
Conclusion	The results of this product conforms to Inner quality standards.		



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