



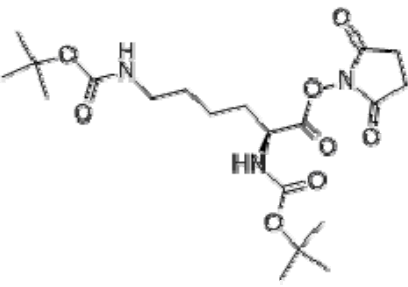
HANGZHOU DINGYAN CHEM CO.,LTD

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## CERTIFICATE OF ANALYSIS

NO: DYC031610105

Product name	boc-lys(boc)-osu
CAS Number	30189-36-7
Molecule Structure	
Molecule Formula	C <sub>20</sub> H <sub>33</sub> N <sub>3</sub> O <sub>8</sub>
Batch No.	20160427
Manuf. Date	2016-04-27
Testing Date:	2016-04-29

Items	Standard	Result
Description	White to off white powder	White powder
Purity (HPLC)	≥98%	99.55%
Melting Point	~90°C	85.6–90.1°C
Specific rotation[α] <sub>D20</sub>	-25.50±2.0(C=2 in EtOH)	-27.20(C=2 in EtOH)
Loss on Drying	≤1.0%(50°C, 2h)	0.87%
Clarity of solution	0.3 gram in 2ml DMF clear solution	Complies
Water Content(K. F.)	≤1.0%	0.127%
IR Spectrum	In accordance with the standard	Complies
Mass Spectrum	In accordance with the standard	Complies
NMR Spectrum	In accordance with the standard	Complies
Storage	Cool dry place(<25°C)	

Hangzhou Dingyan Chem Co., Ltd.  
Quality Control  
QUALITY CONTROL:  CHECK: 姚仙娟 INSPECTOR: 刘清风

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