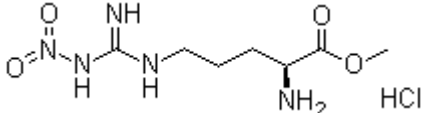




HANGZHOU DINGYAN CHEM CO., LTD  
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## CERTIFICATE OF ANALYSIS

NO: DYC081503063

Product name	N'-Nitro-L-arginine-methyl ester hydrochloride
CAS Number	51298-62-5
Molecule Structure	
Molecule Formula	C7H16ClN5O4
Batch number	20140628
Manufacture Date	2014-06-28
Testing date	2014-06-28

Items	Standard	Result
Appearance	White powder	Complies
Assay	98%min	98.6%
Melting point	153~162°C	155.3~158°C
Specific rotation	+13° ~ +17°	+14°
Water,KF	2.0% max	1.01%
Loss on drying	2.0% max, (2h,60°C)	0.83%
Clarity of solution	0.3g in 5ml H2O clear solution	Complies
Identification	IR, MS, NMR	Complies

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