



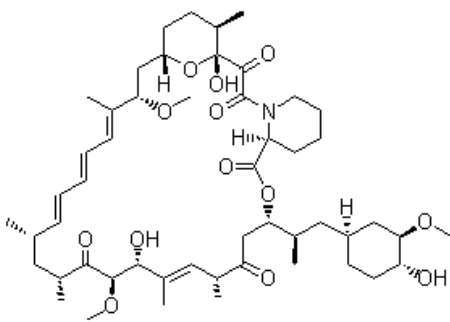
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: **DYC041603163**

Product name	Rapmycin/Sirolimus
CAS Number	53123-88-9
Molecule Structure	
Molecule Formula	C ₅₁ H ₇₉ NO ₁₃
Batch number	20151027
Manuf&Exp. Date	2015-10-27
Testing date	2015-10-29

Items	Standard	Result
Appearance	white or off-white crystalline powder	Complies
Loss On drying	0.5% max	0.19%
Heavy metals	20ppmmax	Complies
Individual Impurity	1.5% max	0.27%
Residue on ignition	0.2% max	0.07%
Total impurities	2.0% max	0.54%
Isomer	5.0% max	2.34%
Residual solvent	6.0 max	0.9
ethanol	200ppmmax	Complies
ethyl acetate	200ppmmax	Complies
cyclohexane	200ppmmax	Complies
acetone	200ppmmax	Complies
ether	200ppmmax	Complies
Purity	Calculated trans- and Cis-stereoisomer of Sirolimus on the dired basis, NLT 98.5%	99.48%

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: *Cristina*
Quality Control

CHECK: 姚仙娟

INSPECTOR: 刘清风

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