



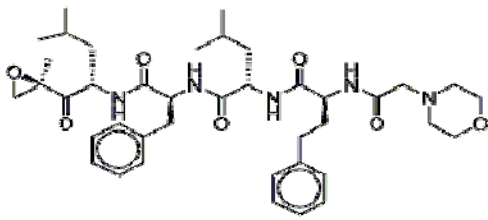
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CERTIFICATE OF ANALYSIS

NO: **DYC101610131**

Product name	Carfilzomib
CAS Number	868540-17-4
Molecule Structure	
Molecule Formula	C40H57N5O7
Batch number	20160521
Manuf date	2016-05-21
Testing date	2016-05-22

Analysis tests	Standard	Results
Appearance	White powder	white powder
Identification	IR, UF, HPLC. In comparison with Carfilzomib RS	Complies
Melting point(the Range of temperature $\leq 4^{\circ}\text{C}$)	230 $^{\circ}\text{C}$	230 $^{\circ}\text{C}$
Solution clarity	clear	conforms
Solubility	slightly soluble in water and in alcohol, freely soluble in acetic acid and in methanol	conforms
Heavy metal	0.001% - 0.002%	conforms
Loss on drying	$\leq 1.0\%$	0.23%
Residue on ignition	$\leq 1.0\%$	0.08%
Residual organic solvents	Ranged I and II toxic class	conforms
Total impurities	$\leq 1.0\%$	0.54%
Assay(HPLC)	$\geq 98.0\%$	98.56%
Conclusion	The results conforms with enterprise standard.	

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: Freya
Signature(x)

CHECK: 姚仙娟

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