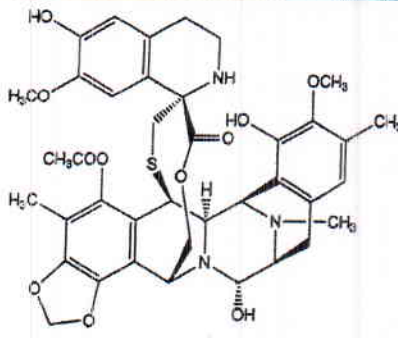



CERTIFICATE OF ANALYSIS

Name		Structure			
Trabectedin (ET-743)					
CAS No.	114899-77-3				
Quantity	7.3g				
Batch No.	QT-181115-01			Production Date	2018.11.15
The original batch No.	N/A			Test Date	2018.11.26
Analytical Report No.	ANA180200			Report Date	2018.12.07
MOA No.	MOA-RD-QT1(01)			Retest Date	2020.11.14

Items	Specifications	Results
Appearance	White to off-white solid or powder	Off-white powder
Specific rotation	-51° ~ -61°	-57.8°
Identification	IR: Spectrum of the sample corresponds to that of reference standard.	Conform
	HPLC: The retention time of major peak of test solution should correspond to that of comparison solution.	Conform
Related substances	Impurity A NMT 0.15%	0.06%
	Impurity B NMT 0.15%	ND
	Impurity C NMT 0.15%	0.02%
	Individual unknown maximum impurity NMT 0.10%	0.06%
	Total impurities NMT 1.0%	0.33%
Residual solvents	Methanol NMT 3000ppm	891ppm
	Pentane NMT 5000ppm	1852ppm
	Ethanol NMT 5000ppm	ND
	Acetone NMT 5000ppm	ND
	Acetonitrile NMT 410ppm	<120ppm
	Dichloromethane NMT 600ppm	<180ppm
Water	NMT 8.0%	7.3%
Residue on ignition	NMT 0.5%	0.1%
Heavy metals	Pd NMT 50ppm	0.3ppm
	Sn NMT 60ppm	0.9ppm
	Ag NMT 50ppm	17ppm
Assay	96.0% ~ 102.0%(on anhydrous and solvents basis)	99.7%
Conclusion	The product conforms to the above specifications.	
Storage condition	Store at a temperature below -20°C	

Manufacturer: BrightGene Bio-Medical Technology Co., Ltd.

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Compiled by: *Lon Hongchang*
 Date: *2018.12.07*

Approved by: *[Signature]*
 Date: *2018.12.07*
