

HANGZHOU OCEAN CHEMICAL CO., LIMITED

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CERTIFICATE OF ANALYSIS

Product name	(1S,2S,3R,5S)-3-[7-(((1R,2S)-2-(3,4-DIFLUOROPHENYL)CYCLOPROPYL)AMINO)-5-(PROPYLSULFANYL)-3H-[1,2,3]TRIAZOLO[4,5-D]PYRIMIDIN-3-YL]-5-(2-HYDROXYETHOXY)-1,2-CYCLOPENTANEDIOL
CAS NO	274693-27-5
Batch No	20190918
Quantity	0.5KG
Manufacture date	2019 09 18
Analysis date	2019 09 18
Quality Standard	Enterprise standard

Inspection	Standard	Test Results
Appearance	white to off-white powder	Conforms
Optical rotation	-50°~-60°	-53°
Identification	IR HPLC	Conforms Conforms
Isomers	TGD1≤0.15% TGD2≤0.15% TGE≤0.15% TG-16≤0.15%	Undetected Undetected Undetected Undetected
Related substance	De-ethoxyl of TG≤0.15% Any Single impurity: ≤0.1% Total impurities: ≤1.0%	0.01% 0.05% 0.10%
Residue on ignition	≤0.1%	0.08%
Loss on drying	≤0.5%	0.14%
Residual solvent	Ethyl ether <5000ppm Acetone<5000ppm Dichloromethane <600ppm Ethyl acetate <5000ppm triethylamine <320ppm toluene<890ppm Tetrahydrofuran <720ppm Methanol<3000ppm Ethanol<5000ppm Acetonitrile<410ppm hexane<290ppm N-methyl pyrrolidone<530ppm	Undetected Undetected Undetected 73ppm Undetected Undetected Undetected Undetected Undetected Undetected Undetected Undetected
Assay	99.0-102.0%	100.5%
Conclusion	The result conforms to the enterprise standard as above FOR LABORATORY R&D USE ONLY, NOT FOR USE BY HUMANS OR ANIMALS	

For and on behalf of
HANGZHOU OCEAN CHEMICAL CO., LIMITED

Q.C.Director:

Analyst:

Collator:

.....*Christina*.....
Authorized Signature(s)