



## Certificate of Analysis

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<b>Product Name</b>		Retatrutide	<b>Catalog No.</b>	SMP6014
<b>Batch No.</b>		P24041301	<b>CAS No.</b>	2381089-83-2
<b>Sequence</b>		Aib-His-D-2-Nal-D-Phe-Lys-NH <sub>2</sub>		
<b>Manufacturing Date</b>		May,02,2024	<b>Received Date</b>	May,02,2024
<b>Report Date</b>		Jun,22,2024	<b>Retest Date</b>	May,01,2025
<b>Test Reference</b>		In-house specification/Protocol specification		
<b>Test Items</b>		<b>Standard Specification</b>		<b>Test Results</b>
Appearance		White to off white powder or loose lump		Conforms
Solubility		Soluble in water		Conforms
Identification	HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time and size to the principal peak in the chromatogram obtained with reference solution		The principal peak in the chromatogram obtained with the test solution is similar in retention time and size to the principal peak in the chromatogram obtained with reference solution
	MS	711.87±1		711.5
Clarity and color of solution		Clear and colorless		Conforms
Water		≤5.0%		3.4%
Acetic acid		≤15.0%		10.8%
Trifluoacetate ion		≤0.1%		N.D
Related Substances (HPLC)		Any individual impurity: ≤1.0% Total impurity: ≤2.0%		0.24% 0.24%
Purity		≥98%		99.76%
Bacterial endotoxin		<10EU/mg		Conforms
Residual solvents		Methanol: ≤0.3% Isopropanol: ≤0.5%		Methanol: 0.005% Isopropanol: 0.046%



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工厂地址：杭州市经济技术开发区银海街 600 号 邮政编码：310018

Factory Address: No.600 Yin Hai Street, Hangzhou Economic & Technological Development Area, Hangzhou, P.R. China 310018



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Product Name	Retatrutide	Catalog No.	SMP6014
Batch No.	P24041301	CAS No.	2381089-83-2
Sequence	Aib-His-D-2-Nal-D-Phe-Lys-NH <sub>2</sub>		
Manufacturing Date	May,02,2024	Received Date	May,02,2024
Report Date	Jun,22,2024	Retest Date	May,01,2025
Test Reference	In-house specification/Protocol specification		
Test Items	Standard Specification	Test Results	
	Acetonitrile: ≤0.041% Methylene chloride: ≤0.06% N,N-Dimethylformamide: ≤0.088% Triethylamine: ≤0.032% Tert-butyl methyl ether: ≤0.5%	Acetonitrile: 0.031% Methylene chloride: N.D N,N-Dimethylformamide: N.D Triethylamine: 0.002% Tert-butyl methyl ether: N.D	
Peptide Assay	≥80.0%	85.51%	
Packaging and storage	Store at a temperature of 2~8°C, protected from light.		
Conclusion	This batch of product complies with Enterprise Standard		
Prepared by/Date: <i>Yuchen Ding</i> 2024.06.22.	Reviewed by/Date: <i>Jw Wu</i> 2024.06.22.	Approved by/Date: <i>Yanfang Shi</i> 2024.06.22.	



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