



Sichuan Taihui Biotechnology Co., Ltd.

Certificate of Analysis

Product Name	Melanotan 1	CAS No.	1566590-77-9
Molecular Formula	C80H115N21O21	Molecular Weight	1706.93
Batch No.	XR24022001-2	Date of Mfg	Mar 24,2024
Reference Standard	Enterprise Standard	Retest Date	Mar 23,2026
Storage	Place in an airtight container protected from light and keep the temperature between 2°C and 8°C.		
TEST	SPECIFICATION	RESULT	
Appearance	White or almost white fluffy powder	Conform	
Solubility	Soluble in water	Conform	
Water Content (Karl Fischer)	≤ 8.0%	3.60%	
Acetic Acid (By HPLC)	≤ 10.0%	5.85%	
Trifluoroacetic Acid	≤ 0.5%	Not Detected	
Peptide Purity (By HPLC)	≥ 98.0%	99.50%	
Related Substance (By HPLC)	Total Impurities(%) ≤ 2.0%	0.50%	
	Largest Single Impurity(%) ≤ 1.0%	0.25%	
Bacterial Endotoxins	≤10 EU/mg	Conform	
Assay	≥ 85.0%	90.2%	
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

Note: This product is for research or production use only. Not for direct human use.

Analyst: Yang dan

Approved by: Ling chen

