

Melanotan 2

Certificate of Analysis

Product Name	Melanotan II		
CAS No.	121062-08-6	Batch No.	20250912013
Date of Producing	2025-09-12	Molecular Formula	$C_{50}H_{69}N_{15}O_9$
Retest Date	2027-09-12	Molecular Weight	1024.18
Condition of Storage	2~8℃		
Reference Standard	Enterprise Standard		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white powder	Conforms
Solubility	soluble in water	Conforms
Water Content (Karl Fischer)	≤8.0%	5.6%
Acetic Acid (By HPLC)	≤15.0%	9.80%
Trifluoroacetic acid (By HPLC)	≤0.25%	ND
Peptide Purity (By HPLC)	≥98.0%	99.5%
Related Substance (By HPLC)	Total Impurities(%)≤2.0%	0.5%
	Largest Single Impurity(%)≤1.0%	0.1%

Conclusion	Conforms to the Enterprise standard
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