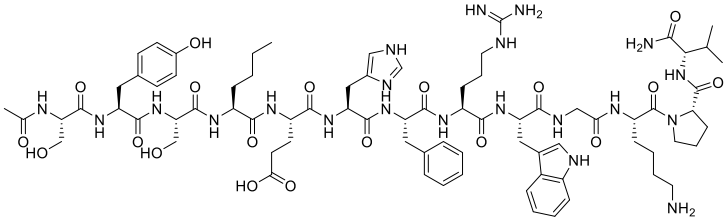




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
330224	Afamelanotide free base	M21C12E08

Chemical name	
The amino acid sequence is Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂	
Synonyms	
Afamelanotide; CUV1647; CUV-1647; CUV 1647; MBJ 05; MBJ-05; MBJ05; Melanotan I; MT-I; [Nle4,D-Phe7]- α -MSH	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 330224 Name: Afamelanotide free base CAS#: 75921-69-6 (free base) Lot#: M21C12E08 Chemical Formula: C ₇₈ H ₁₁₁ N ₂₁ O ₁₉ Exact Mass: 1645.8365 Molecular Weight: 1646.874

Analysis item	Specifications / Results
Appearance	White to off white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>96.0%
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 3 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE