



Product Information

Melanotan II

Cat. No.: X23-12-YM682

Size: 2 mg; 5 mg; 10 mg; 25 mg

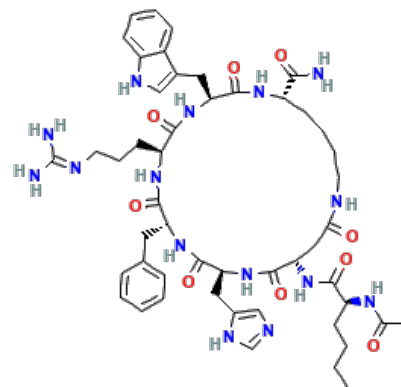
CAS Number: 121062-08-6

Compound CID: 92432

Synonym: 121062-08-6; Melanotan II; 121062-08-6; Melanotan-II; MT-II; Melanotan

(MT)-II; Melanotan II acetate salt; Melatonan; UPF5CJ93X7

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Melanotan II inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
Molecular Weight	1024.18
Molecular Formula	C ₅₀ H ₆₉ N ₁₅ O ₉
IUPAC Name	(3S,6S,9R,12S,15S,23S)-15-[[[(2S)-2-Acetamido hexanoyl]amino]-9-benzyl-6-[3-(diaminomethylideneamino)propyl]-12-(1H-imidazol-5-ylmethyl)-3-(1H-indol-3-ylmethyl)-2,5,8,11,14,17-hexaoxo-1,4,7,10,13,18-hexazacyclotricosane-23-carboxamide
InChI	InChI=1S/C50H69N15O9/c1-3-4-16-36(59-29(2)66)44(69)65-41-25-42(67)55-20-11-10-18-35(43(51)68)60-47(72)39(23-31-26-57-34-17-9-8-15-33(31)34)63-45(70)37(19-12-21-56-50(52)53)61-46(71)38(22-30-13-6-5-7-14-30)62-48(73)40(64-49(41)74)24-32-27-54-28-58-32/h5-9,13-15,17,26-28,35-41,57H,3-4,10-12,16,18-25H2,1-2H3,(H2,51,68)(H,54,58)(H,55,67)(H,59,66)(H,60,72)(H,61,71)(H,62,73)(H,63,70)(H,64,74)(H,65,69)(H4,52,53,56)/t35-,36-,37-,38+,39-,40-,41-/m0/s1
InChI Key	JDKLPDJLXHxHNV-MFVUMRCOSA-N
Canonical SMILES	CCCCC(C(=O)NC1CC(=O)NCCCCC(NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC1=O)CC2=CN=C(N2)CC3=CC=CC=C3)CCCN=C(N)N)CC4=CNC5=CC=CC=C54)C(=O)N)NC(=O)C
Isomeric SMILES	CCCC[C@@H](C(=O)N[C@H]1CC(=O)NCCCC[C@H](NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@H](NC(=O)[C@@H](NC1=O)CC2=CN=CN2)CC3=CC=CC=C3)CCCN=C(N)N)CC4=CNC5=CC=CC=C54)C(=O)N)NC(=O)C
Form	Lyophilized powder
Purity	>98%



Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Melanotan II can be used for its ability to reduce food intake and promote fat loss.
Storage	Store at -20°C, and keep desiccated.
