

Product Datasheet

Melanotan I (orb1296753)

Catalog Number	orb1296753
Category	Small Molecules
Description	Melanotan I is a synthetic analog of α -MSH that acts as a non-specific melanocortin receptor agonist. It is utilized in research to study skin pigmentation, photoprotection, and erectile function, with applications in both in vitro receptor binding assays and in vivo models for melanoma and UV-induced skin cancer.
Target	Melanocortin Receptor,Others
Purity	>99.99% (May vary between batches)
MW	1646.85
Target Areas	Others Melanocortin Receptor
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween-80+45% Saline:1 mg/mL (0.61 mM);DMSO:10 mM
CAS Number	75921-69-6
Formula	$C_{78}H_{111}N_{21}O_{19}$
SMILES	<chem>CCCC[C@H](NC(=O)[C@H](CO)NC(=O)[C@H](Cc1ccc(O)cc1)NC(=O)[C@H](CO)NC(C)=O)C(=O)N[C@@H](CCC(O)=O)C(=O)N[C@@H](Cc1c[nH]cn1)C(=O)N[C@@H](Cc1ccccc1)C(=O)N[C@@H](CCCN(C)=N)C(=O)N[C@@H](Cc1c[nH]c2ccccc12)C(=O)NCC(=O)N[C@@H](CCCN)C(=O)N1CCC[C@H]1C(=O)N[C@@H](C(C)C)(N)=O</chem>
Storage	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Expiration Date

12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)