

Product Datasheet

Endomorphin-1 (orb1147111)

Catalog Number	orb1147111
Category	Proteins
Description	Endogenous μ receptor agonist; Peptides.
Form/Appearance	Freeze dried solid
Purity	> 95% by hplc
Protein Sequence	H-Tyr-Pro-Trp-Phe-NH ₂
MW	610.67 Da
Structure	H-Tyr-Pro-Trp-Phe-NH ₂
Modifications	C-terminal amide.
Target Areas	μ Opioid receptors
Solubility (25°C)	Soluble to 0.60 mg/ml in water
CAS Number	189388-22-5
Formula	C ₃₄ H ₃₈ N ₆ O ₅
Storage	Store dry, frozen and in the dark
Background	<p>Endomorphin 1 is an endogenous opioid peptide and one of the two endomorphins. Endomorphin 1 has exceptionally high affinity and selectivity for μ opioid receptors (4000- and 15000-fold preference over δ and κ respectively and may be the actual endogenous ligand of the μ-receptor. Endomorphin 1 is distributed throughout the human, rodent and primate central and peripheral nervous systems, and has a more potent analgesic effect in acute and neuropathic pain than other opiates such as morphine, with fewer side effects.</p>

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)

Note For research use only

Expiration Date 12 months from date of receipt.

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