

Product Datasheet

Endomorphin-1 (orb2693577)

Catalog Number	orb2693577
Category	Proteins
Description	<p>Endomorphin-1 (EM-1) (amino acid sequence Tyr-Pro-Trp-Phe-NH₂) is an endogenous opioid peptide and one of the two endomorphins. It is a high affinity, highly selective agonist of the μ-opioid receptor, and along with endomorphin-2 (EM-2), has been proposed to be the actual endogenous ligand of the μ-receptor. EM-1 produces analgesia in animals and is equipotent with morphine in this regard. The gene encoding for EM-1 has not yet been identified,[4] and it has been suggested that endomorphins could be synthesized by an enzymatic, non-ribosomal mechanism.</p>
Target	Opioid Receptor
Purity	$\geq 95\%$
Protein Sequence	YPWF-NH ₂
MW	610.72
Solubility (25°C)	Water: 25 mg/mL. DMSO: ≥ 50 mg/mL
CAS Number	189388-22-5
Formula	C ₃₄ H ₃₈ N ₆ O ₅
Note	For research use only
Expiration Date	6 months from date of receipt.

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