

Product Datasheet

Endomorphin-2 (orb1147110)

Catalog Number	orb1147110
Category	Proteins
Description	Potent and selective μ opioid receptor agonist; Peptides.
Form/Appearance	Freeze dried solid
Purity	> 95% by hplc
Protein Sequence	H-Tyr-Pro-Phe-Phe-NH ₂
MW	571.65 Da
Structure	H-Tyr-Pro-Phe-Phe-NH ₂
Modifications	C-terminal amide.
Target Areas	μ Opioid receptors
Solubility (25°C)	Soluble to 0.40 mg/ml in water
CAS Number	141801-26-5
Formula	C ₃₂ H ₃₇ N ₅ O ₅
Storage	Store dry, frozen and in the dark
Background	<p>Endomorphin-2 is an endogenous peptide with extremely high affinity and selectivity for μ-opioid receptors, with K_i values of 0.69, 9233 and 5240 nM for μ, δ and κ receptors respectively. Endomorphin-2 is one of the two endomorphins and along with endomorphin-1 produces analgesia in animals, but whereas endomorphin-1 is more prevalent in the brain, endomorphin-2 is more prevalent in the spinal cord.</p>

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Note For research use only

Expiration Date 12 months from date of receipt.

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