

Product Datasheet

Endomorphin 2 (orb1299968)

Catalog Number	orb1299968
Category	Proteins
Description	Endomorphin-2 (EM-2) is an endogenous mu-opioid receptor (MOR) agonist that presynaptically and postsynaptically inhibits spinal motoneuron activity, as evidenced by reduced sEPSC frequency and amplitude. This peptide is used in neuroscience research to study opioidergic modulation of motor circuits in both in vitro spinal cord preparations and in vivo pain and motor control models.
Target	Opioid Receptor
Purity	≥95% (May vary between batches)
MW	571.67
Target Areas	Opioid Receptor
Solubility (25°C)	DMSO:10 mM
CAS Number	141801-26-5
Formula	C ₃₂ H ₃₇ N ₅ O ₅
SMILES	<chem>C(N[C@@H](CC1=CC=CC=C1)C(N[C@@H](CC2=CC=CC=C2)C(N)=O)=O)(=O)[C@@H]3N(C([C@H](CC4=CC=C(O)C=C4)N)=O)CCC3</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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