

Product Datasheet

Endomorphin 1 (orb1296088)

Catalog Number	orb1296088
Category	Small Molecules
Description	Endomorphin-1 is a potent and selective endogenous μ -opioid receptor agonist, also exhibiting moderate affinity for kappa3 sites. It is widely used in neuroscience research to study opioid receptor signaling, analgesia mechanisms, and pain modulation in both in vitro binding assays and in vivo behavioral models.
Target	Opioid Receptor
Purity	95.92% (May vary between batches)
MW	610.7
Target Areas	Opioid Receptor
Solubility (25°C)	DMSO:242.5 mg/mL (397.09 mM);H2O:24 mg/mL (39.3 mM)
CAS Number	189388-22-5
Formula	C ₃₄ H ₃₈ N ₆ O ₅
SMILES	<chem>N[C@@H](Cc1ccc(O)cc1)C(=O)N1CCC[C@H]1C(=O)N[C@@H](Cc1c[nH]c2ccccc12)C(=O)N[C@@H](Cc1ccccc1)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
Expiration Date	12 months from date of receipt.

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