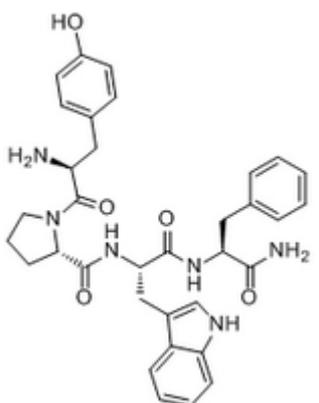


## Endomorphin-1

Catalog #	Source	Reactivity	Applications
CCP1187	Synthetic		
<b>Description</b>	Peptide to Endomorphin-1		
<b>Biological Description</b>	Endomorphin-1 (YPWF-amide) is the most potent and selective endogenous agonist for the mu-opiate receptor so far described ( $K_i = 360 \text{ pM}$ ; 4'000- and 15'000-fold preference over the delta and kappa receptors). It may be a natural ligand for this receptor.		
<b>Form</b>	Lyophilized powder		
<b>CAS Number</b>	189388-22-5		
<b>Molecular Formula</b>	C <sub>34</sub> H <sub>38</sub> N <sub>6</sub> O <sub>5</sub>		
<b>Molecular Weight</b>	610.72		
<b>Purity</b>	> 95%		
<b>Chemical Structure</b>	H - Tyr - Pro - Trp - Phe - NH <sub>2</sub>		
<b>Storage/Stability</b>	Shipped at 4°C. Store at -20°C for one year.		
<b>Structure</b>			

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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