

## Product Datasheet

### Endomorphin-1 peptide (orb216570)

|                          |   |
|--------------------------|---|
| <b>Catalog Number</b>    | orb216570   |
| <b>Category</b>          | Proteins  |
| <b>Description</b>       | Endomorphin-1 peptide   |
| <b>Form/Appearance</b>   | Lyophilized powder  |
| <b>Purity</b>            | > 95%   |
| <b>Protein Sequence</b>  | H-Tyr-Pro-Trp-Phe-NH <sub>2</sub>   |
| <b>MW</b>                | 610.72  |
| <b>Application notes</b> | Endomorphin-1 (YPWF-amide) is the most potent and selective endogenous agonist for the mu-opiate receptor so far described (K <sub>i</sub> = 360 pM; 4'000- and 15'000-fold preference over the delta and kappa receptors). It may be a natural ligand for this receptor. |
| <b>Source</b>            | Synthetic   |
| <b>CAS Number</b>        | 189388-22-5   |
| <b>Formula</b>           | C <sub>34</sub> H <sub>38</sub> N <sub>6</sub> O <sub>5</sub>   |
| <b>Storage</b>           | Shipped at 4°C. Store at -20°C for one year.  |
| <b>Note</b>              | For research use only   |
| <b>Expiration Date</b>   | 12 months from date of receipt.   |

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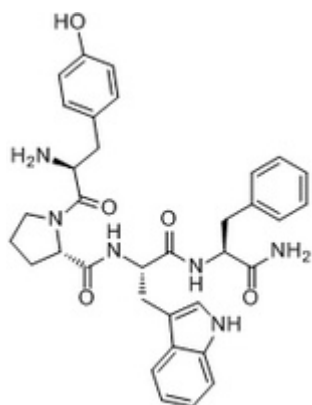
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Chemical structure of orb216570.

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