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DATASHEET

Neuropeptide Y 13-36 (porcine)

Product overview

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|-------------------------------|--|
| Name | Neuropeptide Y 13-36 (porcine) |
| Cat No | HB2916 |
| Biological description | C-terminal Neuropeptide Y fragment (13-36) which acts as a neuropeptide Y2 receptor agonist. Elicits vasopressor responses following central administration. |
| Alternative names | NPY 13-36 (porcine) |
| Biological action | Peptide |
| Purity | >95% |
| Description | Neuropeptide Y2 receptor agonist. |

Solubility & Handling

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|-----------------------------|--|
| Storage instructions | -20°C |
| Solubility overview | Soluble in water (0.8 mg/ml) |
| Important | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use |

Chemical Data

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|--------------------------------|---|
| Chemical name | PAEDLARYYSALRHYINLITRQRY (modifications: Tyr-24 = C-terminal amide) |
| Molecular Weight | 2982.41 |
| Chemical structure | |
| Molecular Formula | C ₁₃₅ H ₂₀₉ N ₄₁ O ₃₆ |
| Sequence (one letter) | PAEDLARYYSALRHYINLITRQRY |
| Sequence (three letter) | H-Pro-Ala-Glu-Asp-Leu-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH ₂ |
| Modifications | Tyr-24 = C-terminal amide |
| CAS Number | 113662-54-7 |
| PubChem identifier | 71308560 |
| SMILES | <chem>CC[C@@H](C)[C@@H](C(=O)N[C@@H](CC(=O)N)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H]([C@@H](C)CC)C(=O)N[C@@H]([C@@H](C)O)C(=O)N[C@@H](CCCNC(=N)N)C(=O)N[C@@H](CCC(=O)N)C(=O)N[C@@H](CCCNC(=N)N)C(=O)N[C@@H](CC1=CC=C(C=C1)O)C(=O)N[C@@H](CC2=CC=C(C=C2)O)NC(=O)[C@@H](CC3=CNC=N3)NC(=O)[C@@H](CCCNC(=N)N)NC(=O)[C@@H](CC(C)C)NC(=O)[C@@H](C)NC(=O)[C@@H](CO)NC(=O)[C@@H](CC4=CC=C(C=C4)O)NC(=O)[C@@H](CC5=CC=C(C=C5)O)NC(=O)[C@@H](CCCNC(=N)N)NC(=O)[C@@H](C)NC(=O)[C@@H](CC(C)C)NC(=O)[C@@H](CC(=O)O)NC(=O)[C@@H](CCC(=O)O)NC(=O)[C@@H](C)NC(=O)[C@@H]6CCCN6</chem> |
| InChiKey | HEALDAASUSTTPJ-QGTLAHJGSA-N |
| MDL number | MFCD00131713 |
| Protein length | 24 |