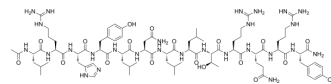


## N-Acetyl [Leu28, Leu31] neuropeptide Y (24–36)

**Cat. No.:** HY-P10148  
**CAS No.:** 155709-24-3  
**Molecular Formula:** C<sub>81</sub>H<sub>131</sub>N<sub>27</sub>O<sub>19</sub>  
**Molecular Weight:** 1787.08  
**Sequence:** Ac-Leu-Arg-His-Tyr-Leu-Asn-Leu-Leu-Thr-Arg-Gln-Arg-Tyr-NH<sub>2</sub>  
**Sequence Shortening:** Ac-LRHLYNLLTRQRY-NH<sub>2</sub>  
**Target:** Neuropeptide Y Receptor  
**Pathway:** GPCR/G Protein; Neuronal Signaling  
**Storage:** Sealed storage, away from moisture and light



Sealed storage, away from moisture and light

Powder -80°C 2 years

-20°C 1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (55.96 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.5596 mL	2.7979 mL	5.5957 mL
	5 mM	0.1119 mL	0.5596 mL	1.1191 mL
	10 mM	0.0560 mL	0.2798 mL	0.5596 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

N-Acetyl [Leu28, Leu31] neuropeptide Y (24–36) is a selective agonist of neuropeptide Y<sub>2</sub> receptor. N-Acetyl [Leu28, Leu31] neuropeptide Y (24–36) attenuates cardiac vagal action in anaesthetised rats<sup>[1]</sup>.

### REFERENCES

[1]. Potter EK, et al. A novel neuropeptide Y analog, N-acetyl [Leu28,Leu31]neuropeptide Y-(24-36), with functional specificity for the presynaptic (Y<sub>2</sub>) receptor. Eur J Pharmacol. 1994 May 17;267(3):253-62.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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