Neuropeptide Y (3-36), human

**Description**
Neuropeptide Y (NPY) is an endogenous neurotransmitter that exhibits a variety of properties, including vasoconstrictive/hypertensive, neuromodulatory, cognition enhancing, reward and reinforcement-modulating, antidepressant, anxiolytic, pro-angiogenic, and pro-atherosclerotic activities. NPY is produced by sympathetic nervous system neurons and activates Y receptors. In vivo, NPY potentiates reward- and reinforcement-inducing effects of opioids in operant behavior assays. In other animal models, NPY inhibits amyloid-β (Aβ)-induced depression and spatial memory deficits in the tail suspension and object location tasks. NPY also decreases or prevents stress-induced development of anxiety during the forced swim test and elevated plus maze models. Additionally, NPY promotes vascular growth and may play a role in the development of atherosclerosis.

**References**


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*dos Santos VV, Santos DB, Lach G, et al. Neuropeptide Y (NPY) prevents depressive-like behavior, spatial memory deficits and oxidative stress following amyloid-β (Aβ(1-40)) administration in mice. Behav Brain Res. 2013 May 1;244:107-15. PMID: 23396168*


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.