
Product Name	: Spexin	NWTPQAMLYLKGAQ-NH2
Cat. No.	: PC-23337	
CAS No.	: 1370290-58-6	
Molecular Formula	: C ₇₄ H ₁₁₄ N ₂₀ O ₁₉ S	
Molecular Weight	: 1619.89	
Target	: Galanin Receptor	
Solubility	: 10 mM in DMSO	

Biological Activity

Spexin (SPX, Neuropeptide Q) is a pleiotropic peptide with highly conserved protein sequence and ligand of **GalR2/GalR3** receptors, is a neurotransmitter/neuromodulator and endocrine factor.

Spexin upregulates Beclin 1 to inhibit ferroptosis induced by excessive autophagy, reduces the uptake of long-chain fatty acids by adipocytes, and regulates energy metabolism by increasing lipid oxidation.

Spexin improves cardiac function in the doxorubicin-induced cardiotoxicity model, protects mitochondrial membrane potential, and reduces iron accumulation and lipid peroxidation.

References

Porzionato A, et al. *J Histochem Cytochem.* 2010;58(9):825-837.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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