

## Chemerin-9, mouse

Cat. No.:	HY-P2712
CAS No.:	686324-96-9
Molecular Formula:	C <sub>51</sub> H <sub>68</sub> N <sub>10</sub> O <sub>12</sub>
Molecular Weight:	1013.15
Sequence:	Phe-Leu-Pro-Gly-Gln-Phe-Ala-Phe-Ser
Sequence Shortening:	FLPGQFAFS
Target:	Chemerin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Chemerin-9, mouse (Chemerin148-156, mouse) is a C-terminal nonapeptide of chemerin. Chemerin-9, mouse is a ligand for ChemR23 (EC<sub>50</sub> = 42 nM). Chemerin-9, mouse reduces basal lipolysis in primary mouse white adipocytes (IC<sub>50</sub> = 3.3 nM). Chemerin-9, mouse enhances memory and relieves Aβ1-42-induced memory impairment in AD mice. Chemerin-9, mouse also inhibits atherogenesis<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Shimamura K, et al. Identification of a stable chemerin analog with potent activity toward ChemR23. *Peptides*. 2009 Aug;30(8):1529-38.
- [2]. Lei Z, et al. Chemerin-9 Peptide Enhances Memory and Ameliorates Aβ1-42-Induced Object Memory Impairment in Mice. *Biol Pharm Bull*. 2020 Feb 1;43(2):272-283.
- [3]. Sato K, et al. Chemerin-9, a potent agonist of chemerin receptor (ChemR23), prevents atherogenesis. *Clin Sci (Lond)*. 2019 Aug 20;133(16):1779-1796.

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

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