

Product Name: Chemerin-9, Mouse

Catalog No.: 7117

Batch No.: 2

CAS Number: 686324-96-9

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₁H₆₈N₁₀O₁₂
Batch Molecular Weight: 1013.16
Physical Appearance: White lyophilised solid
Counter Ion: TFA
Solubility: Soluble to 1 mg/ml in water
Storage: Store at -20°C
Peptide Sequence: Phe-Leu-Pro-Gly-Gln-Phe-Ala-Phe-Ser

2. ANALYTICAL DATA

HPLC: Shows 96.3% purity
Mass Spectrum: Consistent with structure

3. AMINO ACID ANALYSIS DATA

Amino Acid Theoretical		Actual		Amino Acid Theoretical		Actual	
Ala	1.00	0.98	Lys				
Arg			Met				
Asx			Phe	3.00	2.93		
Cys			Pro	1.00	1.03		
Glx	1.00	1.05	Ser	1.00	1.02		
Gly	1.00	1.04	Thr				
His			Trp				
Ile			Tyr				
Leu	1.00	0.97	Val				

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: Chemerin-9, Mouse**Catalog No.:** 7117**2**

CAS Number: 686324-96-9

Description:

Chemerin-9, Mouse is a chemokine-like receptor 1 (CMKLR1) agonist (EC₅₀ = 42 nM). Corresponds to C-terminal of full length mouse Chemerin, amino acids 148 - 156.

Physical and Chemical Properties:Batch Molecular Formula: C₅₁H₆₈N₁₀O₁₂

Batch Molecular Weight: 1013.16

Physical Appearance: White lyophilised solid

Peptide Sequence:

Phe-Leu-Pro-Gly-Gln-Phe-Ala-Phe-Ser

Storage: Store at -20°C**Solubility & Usage Info:**

Soluble to 1 mg/ml in water

This product is supplied in lyophilized form. It may appear as a solid, gel or film and be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Counter Ion: TFA**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Peptides in solution are much less stable than in lyophilized form. This is especially true for peptides whose sequences contain amino acids such as Cys, Met, Trp, Asn, Gln, and N-terminal Glu.

Therefore we recommend storing peptides in solution for as short a time as possible. Avoid repeated freeze thaw cycles by dividing the peptide solution into aliquots and storing the aliquots at -20°C. Any portion of an aliquot unused after thawing should be discarded.

Peptides stored in solution can occasionally be susceptible to bacterial degradation. We recommend using sterile solutions or passing the peptide solution through a 0.2 µm filter to remove potential bacterial contamination whenever possible.

References:

De Henau *et al* (2016) Signaling Properties of Chemerin Receptors CMKLR1, GPR1 and CCRL2. *PLoS One*. **11**. PMID: 27716822.

Shimamura *et al* (2009) Identification of a stable chemerin analog with potent activity toward ChemR23. *Peptides*. **30** 1529. PMID: 19540290.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956