

Ac2-26 ammonium

Cat. No.:	HY-P1098B
Molecular Formula:	$C_{141}H_{210}N_{32}O_{44}S \cdot xNH_3$
Sequence:	Ac-Ala-Met-Val-Ser-Glu-Phe-Leu-Lys-Gln-Ala-Trp-Phe-Ile-Glu-Asn-Glu-Glu-Gln-Glu-Tyr-Val-Gln-Thr-Val-Lys Ac-AMVSEFLKQAWFIENEEQEYVQTVK (ammonium)
Sequence Shortening:	Ac-AMVSEFLKQAWFIENEEQEYVQTVK
Target:	IKK
Pathway:	NF- κ B
Storage:	Sealed storage, away from moisture and light, under nitrogen 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, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (ultrasonic and adjust pH to 8 with NH ₃ ·H ₂ O)
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BIOLOGICAL ACTIVITY

Description	Ac2-26 ammonium is the N-terminal peptide of annexin 1, and has anti-inflammatory activity. Ac2-26 ammonium induces a decrease in IKK β protein in lysosomes by chaperone-mediated autophagy (CMA). Ac2-26 ammonium ameliorates lung ischemia-reperfusion injury. Ac2-26 ammonium also inhibits airway inflammation and hyperresponsiveness in an asthma rat model ^{[1][2][3][4]} .
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CUSTOMER VALIDATION

- Cancer Cell. 2023 May 8;41(5):903-918.e8.
- iScience. 2023 Oct 3.
- World J Gastroenterol. 2023 Jun 14, 29(22): 3422-3439.

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REFERENCES

- [1]. Wang LM, et al. Annexin 1-derived peptide Ac2-26 inhibits eosinophil recruitment in vivo via decreasing prostaglandin D₂. Int Arch Allergy Immunol. 2011;154(2):137-48.
- [2]. Liu L, et al. Ac2-26 Induces IKK β Degradation Through Chaperone-Mediated Autophagy Via HSPB1 in NCM-Treated Microglia. Front Mol Neurosci. 2018 Mar 15;11:76.
- [3]. Luo Z, et al. Annexin-1 Mimetic Peptide Ac2-26 Suppresses Inflammatory Mediators in LPS-Induced Astrocytes and Ameliorates Pain Hypersensitivity in a Rat Model of Inflammatory Pain. Cell Mol Neurobiol. 2020 May;40(4):569-585.

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

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