



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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OVA peptide

Cat. No.:	HY-P3715	
CAS No.:	141312-45-0	
Molecular Formula:	C ₇₄ H ₁₂₁ N ₂₇ O ₂₄	
Molecular Weight:	1772.92	ISQAVHAAHAEINEAGR-NH ₂
Sequence Shortening:	ISQAVHAAHAEINEAGR-NH ₂	
Target:	Others	
Pathway:	Others	
Storage:	Sealed storage, away from moisture	
	Powder -80°C 2 years	
	-20°C 1 year	
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro

H₂O : 28.57 mg/mL (16.11 mM; adjust pH to 3 with CH₃COOH)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		0.5640 mL	2.8202 mL	5.6404 mL
	5 mM		0.1128 mL	0.5640 mL	1.1281 mL
	10 mM		0.0564 mL	0.2820 mL	0.5640 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

OVA peptide mainly exists in egg white, it is a class I (Kb)-restricted peptide epitope of ovalbumin presented by the class I MHC (major histocompatibility complex) molecule, H-2Kb (class I genes of the mouse MHC). OVA peptide has been widely studied in allergy research^{[1][2]}.

In Vivo

OVA peptide with bone marrow-generated DC pulse are potent inducers of OVA-specific CTL responses in vivo, compared with splenocytes or RMA-S cells pulsed with OVA peptide, or compared with immunization with free OVA peptide mixed with adjuvant^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

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- Nat Nanotechnol. 2023 Jan;18(1):86-97.

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REFERENCES

- [1]. Zhu L, et al. Alginate Particles with Ovalbumin (OVA) Peptide Can Serve as a Carrier and Adjuvant for Immune Therapy in B16-OVA Cancer Model. Med Sci Monit Basic Res. 2017 Apr 28;23:166-172.
- [2]. Porgador A, Gilboa E. Bone marrow-generated dendritic cells pulsed with a class I-restricted peptide are potent inducers of cytotoxic T lymphocytes. J Exp Med. 1995 Jul 1;182(1):255-60.
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Caution: Product has not been fully validated for medical applications. For research use only.

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