

Product Data Sheet

Product Name: OVA peptide

Cat. No.: GC74366

Chemical Properties

Cas. No. 141312-45-0

Formula $C_{74}H_{121}N_{27}O_{24}$ M.Wt 1772.92

Solubility H_2O : 28.57 mg/mL (16.11 mM; adjust pH to 3 with CH_3COOH) Storage Sealed storage, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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.

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].

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

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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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