
Product Data Sheet

Product Name: Allergen Gal d 4 (46-61), chicken (Lysozyme C (46-61) (chicken))
Cat. No.: GC30940

Chemical Properties

Cas. No. 62982-31-4

SMILES Asn-Thr-Asp-Gly-Ser-Thr-Asp-Tyr-Gly-Ile-Leu-Gln-Ile-Asn-Ser-Arg

Formula $C_{72}H_{116}N_{22}O_{29}$ M.Wt 1753.82

Solubility Soluble in DMSO Storage Store at -20°C

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

Allergen Gal d 4 (46-61), chicken is a hen egg white lysozyme peptide.

Allergen Gal d 4 (46-61), chicken (HEL(46-61)) contains the immunodominant epitope recognized by mice of the k haplotype. The binding is shown to be specific, with a Kd of approximately 2 μ M. The direct binding of a hen egg white lysozyme peptide, Allergen Gal d 4 (46-61), is examined to membrane I-Ak (protein encoded in the A locus of the I region) molecules in the presence of detergent. A number of synthetic peptide derivatives, which do not stimulate our T-cell reactive hybridomas, compete for the binding of Allergen Gal d 4 (46-61) to I-Ak and also inhibit the functional presentation of Allergen Gal d 4 (46-61). Inhibitors include a peptide lacking a tyrosine at position 53 and a peptide corresponding to the autologous lysozyme peptide. Presentation is examined with cells or with supported planar phospholipid membranes bearing only I-Ak and Allergen Gal d 4 (46-61)[1].

[1]. Proc Natl Acad Sci U S A. 1986 Jun;83(12):4509-13.

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

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