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**Product Data Sheet**

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Product Name:  $\beta$ -Amyloid 1-9

Cat. No.: GC37993

**Chemical Properties**

Cas. No. 147529-30-4

Formula  $C_{42}H_{60}N_{14}O_{17}$  M.Wt 1033.01Solubility Soluble in DMSO Storage Store at  $-20^{\circ}C$ 

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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**

$\beta$ -Amyloid (1-9), an N-terminal fragment of beta amyloid, consists of amino acid residues 1 to 9.  $\beta$ -Amyloid (1-9) contains a B cell epitope, but it does not include T cell epitopes. Omission of residues 1 to 9 from the full-length Alzheimer's  $\beta$ -Amyloid peptide 1 to 40 does not prevent the peptide from forming amyloid fibrils or eliminate fibril polymorphism [1][2].

[1]. Zamora E, et al. Papillomavirus-like particles are an effective platform for amyloid-beta immunization in rabbits and transgenic mice. J Immunol. 2006 Aug 15;177(4):2662-2670. [2]. Paravastu AK, et al. Polymorphic fibril formation by residues 10-40 of the Alzheimer's beta-amyloid peptide. Biophys J. 2006 Jun 15;90(12):4618-29.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA