

Product Data Sheet

Product Name: IALYLQQNW

Cat. No.: GC74337

Chemical Properties

Cas. No. 610268-80-9

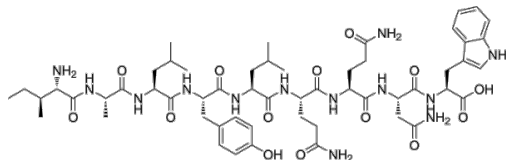
Formula $C_{55}H_{81}N_{13}O_{14}$ M.Wt 1148.31

Solubility DMSO : 3.33 mg/mL (2.90 mM; Need ultrasonic) 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

IALYLQQNW is a specific nonapeptide sequence derived from the tumor-associated antigen latent membrane protein 1 (LMP1) encoded by Epstein-Barr virus (EBV). As a latent T-cell epitope,

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

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IALYLQQNW is able to activate EBV-specific cytotoxic T lymphocytes (CTLs), which are able to recognize and kill EBV-infected cells expressing LMP1. IALYLQQNW plays an important role in the immune response against EBV-associated tumors and can be used in the study of Hodgkin's disease and nasopharyngeal carcinoma.

References:

[1]. Duraiswamy, et al. Ex vivo analysis of T-cell responses to Epstein-Barr virus-encoded oncogene latent membrane protein 1 reveals highly conserved epitope sequences in virus isolates from diverse geographic regions. *Journal of virology* 77.13 (2003): 7401-7410.

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