
Product Data Sheet

Product Name: NLS PKKKRKV

Cat. No.: GC36750

Chemical Properties

Cas. No. 95088-49-6

Formula C₄₀H₇₈N₁₄O₈ M.Wt 883.14

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**

NLS (PKKKRKV) is a peptide derived from the simian virus 40 large tumor antigen (SV40 large T antigen), as a method to enhance nuclear entry in the field of gene transfer research[1][2].

[1]. Zanta MA, et al. Gene delivery: A single nuclear localization signal peptide is sufficient to carry DNA to the cell nucleus. Proc Natl Acad Sci U S A. 1999 Jan 5;96(1):91-6. [2]. Cao S, et al. Enhanced effect of nuclear localization signal peptide during ultrasound-targeted microbubble destruction-mediated gene transfection. Mol Med Rep. 2017 Jul;16(1):565-572.

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

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