

Product Data Sheet

Product Name: α -Synuclein (61-95) (human)

Cat. No.: GA23998

Chemical Properties

Cas. No. 154040-19-4

Formula $C_{141}H_{235}N_{39}O_{49}$

M.Wt 3260.65

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

α -Synuclein (61-95) (human) is a core hydrophobic region of human α -synuclein (α -Synuclein), containing the amino acid sequence from 61 to 95 (NAC region, Non-Amyloid- β Component), which was originally isolated from the insoluble core of Alzheimer's disease (AD) amyloid plaques^[1, 2]. α -Synuclein (61-95) (human) can induce neuronal cell death and can be used to study neurodegenerative diseases, including Alzheimer's disease (AD) and Parkinson's disease (PD)^[3, 4].

References:

[1] Emadi S, Liu R, Yuan B, et al. Inhibiting aggregation of α -synuclein with human single chain

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

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antibody fragments[J]. Biochemistry, 2004, 43(10): 2871-2878.

[2] Bisaglia M, Trolia A, Bellanda M, et al. Structure and topology of the non-amyloid- β component fragment of human α -synuclein bound to micelles: Implications for the aggregation process[J]. Protein science, 2006, 15(6): 1408-1416.

[3] Forloni G, Bertani I, Calella A M, et al. α -Synuclein and Parkinson's disease: Selective neurodegenerative effect of α -synuclein fragment on dopaminergic neurons in vitro and in vivo[J]. Annals of neurology, 2000, 47(5): 632-640.

[4] Tabner B J, Turnbull S, El-Agnaf O M A, et al. Formation of hydrogen peroxide and hydroxyl radicals from A β and α -synuclein as a possible mechanism of cell death in Alzheimer's disease and Parkinson's disease[J]. Free Radical Biology and Medicine, 2002, 32(11): 1076-1083.

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