

alpha-Synuclein Biochemical

alpha-Synuclein (61-75)

CATALOG #
AAA228715

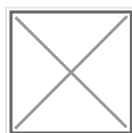
PRODUCT SYNONYMS

alpha-Synuclein; alpha-Synuclein (61-75); (S)ONO-2506; (S)-2-Propyloctanoicacid; alpha-Synuclein biochemical

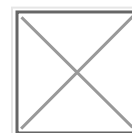
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	440645-08-9
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Lewy bodies containing alpha-Synuclein are a neuropathological hallmark of PD, and missense mutations in alpha-Synuclein (A30P, E46K, H50Q, G51D, A53E, A53T), as well as alpha-Synuclein gene duplications and triplications, appear to cause PD. Moreover, polymorphisms in regulatory elements of the alpha-Synuclein gene predispose individuals to PD and are linked to an early onset of the disease. The non-Abeta-amyloid component (NAC) region of alpha-synuclein is relatively hydrophobic and aggregation-prone in human alpha-Synuclein but not in mouse alpha-Synuclein nor in the corresponding homologous region of human beta-synuclein. Yet, beta-synuclein is more homologous to alpha-synuclein in the N-terminal sequences (74%) than gamma-synuclein (67%)[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
S-(+)-Arundic Acid, CAS 807363-10-6



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ADDITIONAL INFORMATION

Related Product Information for alpha-Synuclein biochemical	alpha-Synuclein (61-75) is the 61-75 fragment of alpha-Synuclein. alpha-Synuclein is an abundant neuronal protein that is highly enriched in presynaptic nerve terminals. alpha-Synuclein is a potential biomarker for Parkinson's disease (PD).
References	1. Kato H, et al. Arundic acid, an astrocyte-modulating agent, protects dopaminergic neurons against MPTP neurotoxicity in mice. Brain Res. 2004;1030(1):66-73.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.