

beta-Amyloid Biochemical

beta-Amyloid (1-40), FAM-labeled

CATALOG #
AAA227857

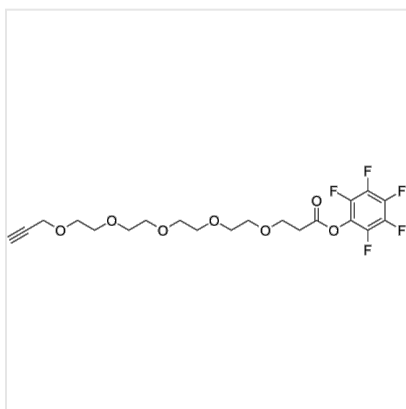
PRODUCT SYNONYMS

beta-Amyloid; beta-Amyloid (1-40); FAM-labeled; beta-Amyloid biochemical

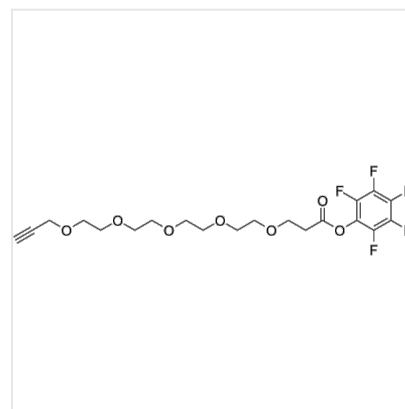
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1678416-08-4
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Apical-to-basolateral exchange across endothelial monolayer of fluorescent Abeta42 (FAM-labeled Human beta-Amyloid (1-42) and Fluor 488-labeled beta-Amyloid (1-42)) or scramble Abeta42 (FAM-labeled scrambled beta-Amyloid (1-42))(1-100 uM) is monitored in transendothelial electrical resistance (TEER) during cell monolayer's formation over time (over 120 min in presence or absence of Abeta24). Human beta-Amyloid (1-24)(1 uM) results in H-Abeta42 retention, thus reducing its efflux through the BBB and therefore preventing an efficient mechanism of Abeta42 clearance[1]. The in vitro BBB model is used to investigate the passage of FAM-labeled or 488-conjugated H-Abeta42 across the endothelial cell monolayer. The addition of fluorescently labeled H-Abeta42 (FAM-labeled Human beta-Amyloid (1-42) or Fluor 488-labeled beta-Amyloid (1-42)) to the apical side of cell inserts results in effective BBB crossing, FAM-labeled scrambled beta-Amyloid (1-42) is not efficiently transcytosed.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Propargyl-PEG5-PFP ester, CAS 2148295-92-3



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ADDITIONAL INFORMATION

Related Product Information for beta-Amyloid biochemical	beta-Amyloid (1-40), FAM-labeled is a FAM fluorescently-labelled beta-Amyloid (1-40) peptide (lambda ex = 492 nm and lambda em = 518 nm).
References	1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/biochemical/beta-amyloid/227857>