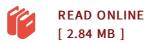




Synthesis and Aggregation of Peptidehelices in Artificial Membranes

By Stefan Müllar

Cuvillier Verlag Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 212x149x12 mm. Neuware - The function of membrane proteins is mainly dependend on their aggregational behavior. Some are active as monomers, whereas others need to assemble into oligomeric states.(1) In this context, molecular recognition, which is realized within the membrane and in the adjacent water layer, is crucial to achieve a specific assembly. In order to establish a well defined model system to study assembly processes in membranes, a recently reported D,Lalternating double helical hairpin construct in structural analogy to the natural antibiotic gramicidin A was utilized.(2,3) Recogntion at the membrane/water interface was addressed via met al complex formation as well as duplex formation of a short PNA sequence. To achieve recognition within the bilayer, nucleobases or polar amino acid residues, respectively, were introduced in the center of the hairpin TMD. Additionally, fluorophores were attached applying an orthogonal protecting group strategy. The functionalized TMDs were reconstituted in large unilamellar vesicles (LUVs). The in membrane pore formation by adopting 5.6 double helices was investigated using CD spectroscopy and the dynamic aggregation process was determined using fluorescence probes for Fluorescence Resonance Energy Transfer (FRET). For orientational studies as well as distance measurements of...



Reviews

A high quality ebook along with the font employed was fascinating to read. It really is writter in easy phrases rather than confusing. I am just easily can get a satisfaction of looking at a composed publication.

-- Isai Bradtke

Completely essential go through ebook. It is definitely basic but shocks in the 50 percent from the publication. I am delighted to let you know that this is the best pdf i have go through inside my individual lifestyle and can be he best pdf for possibly.

-- Damien Reynolds I

See Also



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



Ne ma Goes to Daycare (Paperback)

AUTHORHOUSE, United States, 2015. Paperback. Book Condition: New. 216 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. This book is about a little biracial (African American/Caucasian) girl s first day of daycare and preparing her for kindergarten....



Slavonic Rhapsody in A-Flat Major, B.86.3: Study Score (Paperback)

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 297 x 210 mm. Language: English . Brand New Book ***** Print on Demand *****. Dvorak s final Slovanske rapsodie was composed from around September 20 to December 3 of 1878 and was...



Southern Educational Review Volume 3 (Paperback)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English. Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original...



Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English] (Paperback)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...