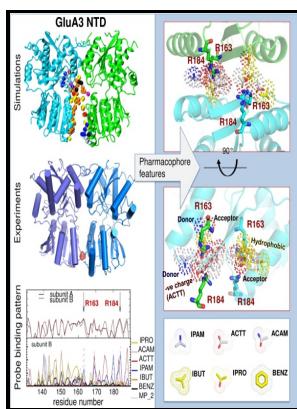


Single molecule dynamics in life science

Wiley-VCH - Single



Description: -

- Women labor union members
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- Molecular Structure
- Models, Molecular
- Molecular Biology -- methods
- Molecules

Biology -- Laboratory manuals
Single molecule dynamics in life science

Notes: Includes bibliographical references and index.

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Direct observation of single

Changes in single

The height of this barrier is called activation energy and is the determining factor of reaction rates.

Single Molecule Dynamics in Life Science by Toshio Yanagida, Yoshiharu Ishii

Single-particle tracking: applications to membrane dynamics.

Single molecule biophysics

Precise characterization of the conformation fluctuations of freely diffusing DNA: beyond Rouse and Zimm

Single molecule biophysics

In contrast, cells treated with 500 µM NaN 3 show an increase in oligomers initially and over time Fig. Direct measurement of single-molecule DNA hybridization dynamics with single-base resolution.

Single molecule biophysics

However, inherent heterogeneities, as well as disparities between spatial and temporal scales, pose substantial challenges in deriving such a relationship. In bacteria, secretory proteins preproteins are synthesized at ribosomes in the cytosol, targeted to the cytoplasmic membrane by molecular chaperones such as SecB, and translocated across this membrane by a conserved secretion Sec complex. Diffusion of isolated DNA molecules: dependence on length and topology.

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