

Title (en)

DETECTION AND INVESTIGATION OF BIOLOGICAL MOLECULES BY FOURIER TRANSFORM INFRA-RED SPECTROSCOPY

Title (de)

DETEKTION UND UNTERSUCHUNG BIOLOGISCHER MOLEKÜLE MIT HILFE DER INFRAROT-FOURIERTRANSFORMATIONSSPEKTROSKOPIE

Title (fr)

DETECTION ET INVESTIGATION DE MOLECULES BIOLOGIQUES PAR SPECTROSCOPIE A INFRAROUGE ET TRANSFORMEES DE FOURIER

Publication

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Application

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Abstract (en)

[origin: WO9905509A1] Method and apparatus to study biological molecules or biological components at or in self-assembled monolayers (SAMs) on metal surfaces (2) such as gold in aqueous environments (6) using attenuated total internal reflection Fourier transform infra-red (ATR-FTIR) spectroscopy are described. Said method may be used for e.g. the screening for effective substances suitable as agonists or antagonists or - if performed time resolved - for studying kinetics of interactions of e.g. biological molecules adsorption and desorption processes or for the development of materials and surfaces for biological or medical applications.

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