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Abkürzungsverzeichnis

0/128	Membransystem aus 128 DPPC-Molekülen
12/128	Membransystem aus 12 c-RW-Peptiden 128 DPPC-Molekülen
2/128	Membransystem aus 2 c-RW-Peptiden 128 DPPC-Molekülen
Boc	*tert*-Butyloxycarbonyl
bs	breites Singulett
bt	breites Triplett
c-KW	cyclo(KKWWKF)
c-RNal	cyclo(RRNalNalRF)
c-RW	cyclo(RRWWRF)
c-RW2	cyclo(RRWWFR)
c-RW3	cyclo(RRWFWR)
c-RY	cyclo(RRYYRF)
d	Duplett
D	Diffusionskoeffizient
DAE	Diaminoethan
DAP	Diaminopentan
DMSO	Dimethylsulfoxid
DNS	Desoxyribonukleinsäure
DPC	Dodecylphosphocholin
DPPC	Dipalmitoylphosphatidylcholin
DQF-COSY	Doppelquanten-gefilterte Korrelationsspektroskopie
ESI-MS	Elektrospray-Ionisations-Massenspektrometrie
ΔG	freie Enthalpie
GEA	Guanidinoethylamin
GPA	Guanidinopentylamin

HPLC	high performance liquid chromatography
ID	Innendurchmesser
i. V.	im Vakuum
K	Boltzmannkonsante 1,38 x 10^{-23} J/K
LPS	Lipopolysaccharid
MAS	magic-angle spinning
MIC	minimale inhibitorische Konzentration
MSD	mean square displacement
NMR	Kernmagnetresonanzspektroskopie
NOE	Nuclear-Overhauser-Enhancement-Effekt
NOESY	Nuclear-Overhauser-Enhancement-Spektroskopie
OPLS	optimized potential for liquid simulations
PAMP	Pathogen-assoziiertes molekulares Muster
PDB	Protein Data Base
RMSD	root mean square displacement
RNS	Ribonukleinsäure
s	Singulett
S_{CD}	Deuteriumordnungsparameter
SPC	simple point charge
SDS	Natriumdodecylsulfat
t	Triplett
T	Temperatur
T_1	longitudinale Relaxationszeit
TLR	Toll-ähnlicher Rezeptor
TMACl	Trimesinsäurechlorid
TOCSY	totale Korrelationsspektroskopie
Z	Benzyloxycarbonyl
ρ	partielle Dichte

Publikationen

Appelt, C., A. Wessolowski, J.A. Söderhäll, M. Dathe und P. Schmieder, *Structure of the Antimicrobial, Cationic Hexapeptide Cyclo(RRWWRF) and Its Analogues in Solution and Bound to Detergent Micelles.* Chembiochem, **2005.** 6(9): p. 1654-1662.

Appelt, C., F. Eisenmenger, R. Kühne, P. Schmieder, und J.A. Söderhäll, *Interaction of the Antimicrobial Peptide Cyclo(RRWWRF) with Membranes by Molecular Dynamics Simulations.* Biophys. J., **2005.** 89(4): p. 2296-2306.

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