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Zippering into fusion

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Citation

Zheng, T. (2014, December 17). *Zippering into fusion*. Retrieved from <https://hdl.handle.net/1887/30141>

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Title: Zipping into fusion
Issue Date: 2014-12-17

Abbreviations

A	Alanine
Ac	Acetyl
ACH	α -cyano-4-hydroxycinnamic acid
AcN	Acetonitrile
AUC	Analytical ultracentrifugation
BOC	Tertiary-butoxycarbonyl
C	Cysteine
CC	Coiled coil
CD	Circular dichroism
CH/CHOL	Cholesterol
Coil-E=E₃	(EIAALEK) ₃
Coil-K=K₃	(KIAALKE) ₃
D	Aspartic acid
D	Dimensional
D₂O	Deuterated water
DCM	Dichloromethane
D_h	Hydrodynamic diameter
DIC	N,N'-Diisopropylcarbodiimide
DIPEA	N,N-diisopropylethylamine
DLS	Dynamic light scattering
DMF	N,N-dimethylformamide
DNA	Deoxyribonucleic acid
DOPC	1,2-dioleoyl-sn-glycero-3-phosphatidylcholine
DOPE	1,2-dioleoyl-sn-glycero-3-phosphatidylethanolamine
DOPE-LR	1,2-dioleoyl-sn-glycero-3-phosphatidylethanolamine-lissamine-rhodamine B
DOPE-NBD	1,2-dioleoyl-sn-glycero-3-phosphoethanolamien-N-(7-nitro-2-1,3-benzoxadiazol-4-yl) (ammonium salt)
E	Glutamic acid
E₂	(EIAALEK) ₂
E₄	(EIAALEK) ₄
EPR	Electron paramagnetic resonance
ESI	Electrospray ionization
Epn	Equation
Fmoc	Fluorenylmethoxycarbonyl
FRET	Fluorescence resonance energy transfer
G	Glycine
ΔG_u	Gibbs free energy of unfolding
HCTU	1H-benzotriazolium 1-[bis(dimethylamino)methylene]-5-chloro-hexafluorophosphate (1-),3-oxide
HOBT	1-Hydroxybenzotriazole hydrate
HPLC	<i>High-performance liquid chromatography</i>
ΔH_u	Enthalpy of unfolding
I	Isoleucine
K	Lysine
K/E	Complex of peptide K and E
K₂	(KIAALKE) ₂
K₄	(KIAALKE) ₄
K_u	Dimer dissociation constant
L	Leucine

Abbreviations

LC-MS	Liquid chromatography-mass spectrometry
LPK	Lipopeptide-K (DOPE-Peg12-peptide K)
LPE	Lipopeptide-E (DOPE-Peg12-peptide E)
MALDI-TOF	Matrix-assisted laser desorption-ionization time-of-flight
MTSL/*	S-(2,2,5,5-tetramethyl-2,5-dihydro-1H-pyrrol-3-yl)methyl methanesulfonylthioate
MD	Molecular dynamics
NBD	Nitrobenzofuran
NMP	N-methyl-2-pyrrolidone
NMR	Nuclear Magnetic Resonance
NSF	N-ethylmaleimide sensitive fusion protein
PBS	Phosphate buffered saline
PDA	Photo Diode Array
PDI	Polydispersity index
PEG	Poly (ethylene glycol)
PRE	Paramagnetic relaxation enhancement
R	Arginine
RNA	Ribonucleic acid
RP-HPLC	Reverse-phase high-pressure liquid chromatography
RT	Retention Time
S	Serine
SDSL	Site-directed spin label
SNARE	Soluble NSF attachment protein receptor
SPPS	Solid-phase peptide synthesis
TBS	Tris-buffered saline
TEA	triethanolamine
TFA	Trifluoroacetic acid
TFE	Trifluoroethanol
TFE-D₃	Deuterium oxide of TFE
Tris	Tris(hydroxymethyl)aminomethane
tBu	Tertiary butyl
T_m	Melting temperature
THF	Tetrahydrofuran
TIS	Triisopropylsilane
Trt	Trityl
UV	Ultraviolet
V_{dw}	Van der Waals
W	Tryptophan
Y	Tyrosine