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Inhibition and dynamics of a β -lactamase

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Abbreviations

AIC	Akaike Information Criterion
ATP	Adenosine triphosphate
Bis-Tris	Bis(2-hydroxyethyl)amino-tris(hydroxymethyl)methane
BMRB	Biological Magnetic Resonance Data Bank
CEST	Chemical Exchange Saturation Transfer
CFU	Colony Forming Unit
CPMG	Carr-Purcell-Meiboom-Gill sequence
CSP	Chemical Shift Perturbation
dATP	Deoxyadenosine triphosphate
dCTP	Deoxycytidine triphosphate
dGTP	Deoxyguanosine triphosphate
DNA	Deoxyribonucleic acid
DTT	Dithiothreitol
dTTP	Deoxythymidine triphosphate
EDTA	Ethylenediaminetetraacetic acid
ESBL	Extended Spectrum β -Lactamase
HSQC	Heteronuclear Single Quantum Coherence
IPTG	Isopropyl β -D-1-thiogalactopyranoside
LB	Lysogeny Broth
MD	Molecular Dynamics
MES	2-Ethanesulfonic acid
MIC	Minimal Inhibitory Concentration
MS	Mass Spectrometry
Mtb	<i>Mycobacterium tuberculosis</i>
NMR	Nuclear Magnetic Resonance
NOE	Nuclear Overhauser Effect
OD	Optical Density
PCR	Polymerase Chain Reaction
PDB	Protein Data Bank
Pi	Inorganic phosphate
SDS-PAGE	Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis
Tat	Twin-arginine translocation
TEV	Tobacco Etch Virus protease
Tris	Tris(hydroxymethyl)aminomethane
TROSY	Transverse Relaxation Optimised Spectroscopy
UPLC	Ultra-Performance Liquid Chromatography
UV-Vis	Ultraviolet to visible
WHO	World Health Organisation
Wt	Wild type
XFEL	X-Ray Free-Electron Laser