

# Glossary

A <sup>-</sup>	anion (generic representation)
AA	amino acid
Aba	3-amino-benzoic acid
ADP	adenosine diphosphate
AMP	adenosine monophosphate
ANS	8-anilino-naphthalene-1-sulfonate
ATP	adenosine triphosphate
AZT	azidothymidine
AZTTP	3'-azido-2'-deoxythymidine 5'-triphosphate
BETMP	bis(ethylthio)methylenepropanedioate
bipy	2,2'-bipyridine
2,3-BPG	2,3-bisphosphoglycerate
BPN	2,7-bis( <i>1H</i> -pyrrol-2-yl)ethynyl-1,8-naphthyridine
bptz24	3,6-bis(2-pyridyl)-1,2,4,5-tetrazine
Bu	<i>n</i> -butyl
CD	circular dichroism or cyclodextrin (depending on context)
CFTR	cystic fibrosis transmembrane conductance regulator
CHEMFET	chemically modified field effect transistor
CMP	cytosine monophosphate
CPK	Corey-Pauling-Koltun
CTP	cytidine triphosphate
CV	cyclic voltammetry or cyclic voltammetric
DABCO	1,4-diaza[2.2.2]-bicyclooctane
dach	trans(±)-1,2-diaminocyclohexane
ddTTP	2',3'-dideoxythymidine 5'-triphosphate
DMSO	dimethyl sulfoxide
DNA	deoxyribonucleic Acid
DNNO	2,4-dinitronaphthalen-1-olate
DMF	dimethylformamide
DOP	dioctyl phthalate
dppa	<i>N,N'</i> -bis(diphenylphosphino)amine
dppm	bis(diphenylphosphino)methane
DPQ	dipyrrylquinoxaline
DQF-COSY	double-quantum filtered correlated spectroscopy
EDTA	ethylenediaminetetraacetic acid
ESI	electrospray ionization

FAB	fast-atom bombardment
G	guest
GABA	$\gamma$ -amino butyric acid
GMP	guanosine monophosphate
H	host
HEPES	<i>N</i> -2-hydroxyethylpiperazine- <i>N'</i> -2-ethanesulfonic acid
HPLC	high performance liquid chromatography
HpztBu	3{5}-tert-butylpyrazole
IP <sub>3</sub>	inositol-1,4,5-trisphosphate
ISE	ion-selective electrodes
ITC	isothermal titration calorimetry
L	ligand
MeCN	acetonitrile
MES20	(10 mM 2-( <i>N</i> -morpholino)ethanesulfonic acid, 200 mM NaCl, 1 mM EDTA, pH 6.2)
MS	mass spectrometry
NAD	nicotinamide adenine dinucleotide
NADP	nicotinamide adenine dinucleotide phosphate
NBS	<i>N</i> -bromosuccinimide
NCP	<i>N</i> -confused porphyrins
N.D.	no binding detected
NMR	nuclear magnetic resonance
NOESY	nuclear Overhauser effect spectroscopy
OG	(disodisodium-7-hydroxy-8-phenylzaonaphthalene-1,3-disulfonate)
Orange G	(disodisodium-7-hydroxy-8-phenylzaonaphthalene-1,3-disulfonate)
OGA	octyl $\beta$ -D-galactopyranoside
OGU	octyl $\beta$ -D-glucopyranoside
ox	oxidation
PBP	phosphate-binding protein
PCET	proton coupled electron transfer
PCP	<i>Pneumocystis carinii</i> pneumonia
Ph	phenyl
PhCN	benzonitrile
PDT	photodynamic therapy
POPC	1-palmitoyl-2-oleoyl-phosphatidylcholine
PPNC1	bis(triphenylphosphoranylidene)ammonium chloride
PVC	poly(vinyl chloride)
py	pyridine
red	reduction
RNA	ribonucleic acid
ROESY	rotating-frame NOE spectroscopy
SBP	sulfate-binding protein
SLM	supported liquid membrane
StCIC	chloride channel CIC protein from <i>Salmonella serovar typhimurium</i>
TDDMAC1	tridodecylmethylammonium chloride
TBA	tetrabutylammonium

TCQ	tetrachloroquinone
TEA	tetraethylammonium
TfO <sup>-</sup>	triflate (trifluoromethanesulfonate)
TFQ	tetrafluoroquinone
THF	tetrahydrofuran
Tips	triisopropylsilyl
TMA	tetramethylammonium
TNB	trinitrobenzene
TNS	6- <i>p</i> -toluidinonaphthalene-2-sulfonate
TOCSY	total correlated spectroscopy
Tren	<i>N</i> 1, <i>N</i> 1-bis(2-aminoethyl)ethane-1,2-diamine
TREN	tris(2-aminoethyl)amine
Tris	tris(hydroxymethyl)aminomethane
TsO <sup>-</sup>	tosylate (4-methylbenzenesulfonate)
UMP	uridine monophosphate
UV/vis	ultraviolet/visible
YFP	yellow fluorescent protein

