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LIST OF ABBREVIATIONS

s	Singlet
d	Doublet
m	Multiplied
δ	Chemical shift
g	Gram
Arom	Aromatic
M.P.	Melting point
TLC	Thin Layer Chromatography
Vib	vibration
St	stretching
$^{\circ}\text{C}$	Degree centigrade
ml	Millimeter
Tem	Temperature
IR	Infrared spectroscopic
^1H - NMR	Proton nuclear magnetic resonance
DMSO	Dimethyl sulphide oxide
MS	Mass spectroscopy
QSAR	Quantitative structure-activity relationship
LR	Linear regression
LOO	Leave-one out

Q^2	Cross validation regression coefficient
CV	Cross validation
R	Correlation coefficient
r^2	Square of the correlation coefficient
PDB	Protein data bank
MW	Molecular weight
TMS	Tetramethylsilane
MOE	Molecular Operating Environment
SPSS	Statistical package for social sciences
R_f	Retardation factor
pIC_{50}	Anticancer potential
IC_{50}	Inhibitory concentration, 50%
LogP(o/w)	Logarithm of octanol-water partition coefficient
RMSE	Root mean square error
S	Standard error of estimate
TPSA	Topological polar surface area
E	Potential Energy
HF	Heat of formation
E-vdw	Van der Waals Energy
a-acc	number of H-bond donor atoms
a-don	number of H-bond acceptor atoms
ASA	Water accessible surface area

Chi0	Atomic conductivity index order 0
DASA	Absolute difference in surface area
mr	Molar refractivity
Lys	Lysine
Glu	Glutamine
His	Histamine
Asp	Asparagine
Arg	Arginine
Ser	Serine