

LIST OF ABBREVIATIONS AND SYMBOLS

Å	Angstrom
a.u.	Arbitrary unit
ACN	Acetonitrile
ANOVA	Analysis of Variance
API	Active Pharmaceutical Ingredient
B.P	Boiling Point
CCDC	Cambridge Crystallographic Data Centre
CCl ₄	Carbon tetra chloride
CHCl ₃	Chloroform
CHN	Elemental Analysis
cm	Centimeter
COSY	Homonuclear correlation spectroscopy
<i>d</i>	Doublet
DEA	Diethyl amine
DIPEA	Diisopropyl ethyl amine
DMAP	Di methyl amino pyridine
DMF	Dimethyl formamide
DMSO	Dimethyl sulfoxide
DNA	Deoxy ribonucleic acid
DSC	Differential scanning calorimetry
ESI	Electrospray ionisation
Et ₂ O	Ether
EtOAc	Ehtyl Acetate
EtOH	Ethanol
FDA	Food and Drug administration
FT-IR	Fourier transform infrared spectroscopy
h	Hour
HeLa	Cancer cell line
<i>hkl</i>	Miller indices
HR-MS	High resolution mass spectrometry
HSQC	Heteronuclear single quantum correlation

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Hz	Hertz
IC ₅₀	Inhibitory concentration
IPA	Isopropyl alcohol
<i>J</i>	Scalar Coupling
K	Kelvin
<i>m</i>	Multiplet
M ⁺	Molecular ion
MDC	Methylene dichloride
Me	Methyl
MeOH	Methanol
MHz	Mega Hertz
min	minutes
ml	Milliliter
mM	Milli molar
mmol	Mili mole
mRNA	Messenger RNA
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl-2H-tetrazolium bromide
NBS	N-bromo succinamide
NCI-60	National Cancer Institute-60
nm	nanometer
NMR	Nuclear magnetic resonance
PAINS	Pan assay interference compound
PDB	Protein data bank
POM	Polarizing optical microscopy
ppm	Parts per million
PRMT1	Protein Arginine Methyl Transferase
RNA	Ribo nucleic acid
RT	Room temperature
<i>s</i>	Singlet
SAM	S-Adenosyl Methionine

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S_N2	Substitution Nucleophilic Binuclear
S_NAr	Nucleophilic Aromatic Substitution
t	Triplet
TEA	Triethyl amine
TG-DTA	Thermogravimetry/Diffraction thermal analyzer
THF	Tetra hydro furan
TLC	Thin Layer Chromatography
TMS	Tetra methyl silane
W	Watt
XRD	X-Ray diffraction
α	Alpha
β	Beta
γ	Gama
δ	Delta (Chemical Shift)
λ	Wave length
μl	Micro liter
μM	Micro molar
θ	Incidence angle of X-ray
g	Gram
4x	Magnification