

List of abbreviations

Anal. Calc. calculated elemental analysis
azpy 4,4'-azopyridine
BSA bovine serum albumin
CT-DNA calf thymus DNA
d doublet
DFT Density-functional theory
DMEM Dulbecco's modified Eagle's Medium
DMSO dimethylsulfoxide
DNA deoxyribonucleic acid
eq. equation
EB / EtBr ethidium bromide
ESI-MS electrospray ionization mass spectrometry
fac facial
FI Fluorescence intensity
Fig. figure
FTIR Fourier transform infrared spectroscopy
G guanine
HeLa human cervical cancer cell line
IC₅₀ concentration of a compound that induces 50% growth inhibition of cells compared to untreated cells
im imidazole
K_b intrinsic binding constant
K_{SV} Stern-Volmer quenching constant
K_a association binding constant
MLCT metal to ligand charge transfer
MTT 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl-2H-tetrazolium bromide
nm nanometer
NMR nuclear magnetic resonance
p-cym *para*-cymene
PBS phosphate buffered saline
RNA ribonucleic acid
rt room temperature
s singlet
SAR's structure-activity relationships
SD Standard deviation
t triplet
UV-Vis ultra violet –visible region
WHO world health organization

m multiplet
M Molar
μM microMolar
mM miliMolar
m/z mass to charge ratio