ACRONYMS AND ABBREVIATIONS

DMF	*N*,*N*-Dimethyl formamide
UV	Ultra Violet
CCDC	Chembridge Crystallographic Data Cener
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl-tetrazolium bromide
dbdmp	*N*,*N*-diethyl-*N'*,*N'*-bis((3,5-dimethyl-*1H*-pyrazol-1yl)methyl)ethane-1,2-diamine
EPR	Electron Paramagnetic Resonance
IR	Infrared
FTIR	Furrier Transformation Infrared
NMR	Nuclear Magnetic Resonance
LMCT	Ligand to Metal Charge Transfer
Vis	Visible
TLC	Thin Layer Chromatography
PBS	Phosphate buffer Saline
bdpab	N,N-bis(3,5-dimethyl-1H-pyrazol-1-yl) methyl-N2-phenylethane-1,2-diamine
bdmpe	N, N-bis((3,5-dimethyl-1H-pyrazol-1-yl)methyl)-2-(phenylthio)ethan-1-amine
MIC	Minimum Inhibitory Concentration
ORTEP	Oak Ridge Thermal Ellipsoid Plot
OMP	4-hydroxymethylpyridine
MOP	4- methoxypyridine
Dca	Dicyanamide
HPEMN	1–[(2–pyridin–2–yl–ethylimino)–methyl]–naphthalen–2–ol
L1	N-2-((phenyl(pyridine-2-l)methylene)amino)ethyl)aniline
HL2	2-(((2-phenylamino)ethyl)imino)methyl)phenol
L3	2,4-dichloro-6-(((2-(phenylamino)ethyl)imino)methyl)phenol

DMSO	Dimethyl sulphoxide
LB	Luria Bertani
d_{norm}	Normalized contact distance
FP	Fingerprint plot
HS	Hirshfeld Surface
FBS	Fetal Bovine Serum
Formazon	5-(4,5-dimethylthiazole-2-yl)-1,3-diphenylformazon