

List of Symbols & Abbreviations

DMSO	dimethyl sulfoxide
DMF	N,N-dimethylformamide
KATP	potassium adenosine triphosphate
BGL	blood glucose level
Tween 20	polyoxyethylene sorbitan monolaureate
Tween 80	polyoxyethylene sorbitan monooleate
S.E.M.	standard error mean
ANOVA	analysis of varians
PBS	phosphate buffered saline
MTT	3-[4,5-dimethylthiazol-2-yl]-2,5-diphenyltetrazoliumbromide
FBS	fetal bovine serum
DMEM	Dulbecco's Minimum Essential Medium
$\%_{\text{h}}$	molar susceptibility
$\%_{\text{h}}^{\text{corr}}$	corrected molar susceptibility
$\%_{\text{g}}$	mass susceptibility

$\chi_{\text{dia}}^{\text{calc}}$	diamagnetic susceptibility
μ_{eff}	effective magnetic moment
L1	2ö[(1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3-yl)acetohydrazide
L2	2ö[(5-chloro-1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3-yl)acetohydrazide
L3	2ö[(5-bromo-1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3-yl)acetohydrazide
CuL1	bis{2ö[(1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3-yl)acetohydrazido- → ² N,O}cuprate
CuL2	bis{2ö[(5-chloro-1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3- yl)acetohydrazido-→ ² N,O}cuprate
CuL3	bis{2ö[(5-bromo-1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3- yl)acetohydrazido-→ ² N,O}cuprate
NiL1	bis{2ö[(1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3-yl)acetohydrazido- → ² N,O}nickelate
NiL2	bis{2ö[(5-chloro-1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3- yl)acetohydrazido-→ ² N,O}nickelate
NiL3	bis{2ö[(5-bromo-1 <i>H</i> -indol-3-yl)methylene]-2-(1 <i>H</i> -indol-3- yl)acetohydrazido-→ ² N,O}nickelate