

Re-investigating Tollens' Reaction

LIST OF ABBREVIATIONS AND SYMBOLS

Ag	silver
BINOL	2,2-dihydroxy-1,1'-binaphthyl
cond.	Conductivity
C-C	carbon-Carbon
dil.	Dilute
DMSO	dimethylsulfoxide
ESI-MS	Electrospray Ionization Mass Spectrometry
equ.	Equation
E _{ox}	Oxidation potential
FT	Fourier transform
FT-IR	Fourier transform infrared spectroscopy
FE-SEM	Field Emission Scanning Electron Microscopy
GC-MS	Gas Chromatography-Mass Spectrometry
HFIP	Hexafluoroisopropanol
Hz	Hertz
hr	hour
K	Kelvin
liq.	Liquor
min	minute
RT	Room temperature (30°C)
μS	micro Siemens
ml	milliliter
<i>m</i>	Multiplet
mg	Milligram
mM	miliMolar
<i>m/z</i>	mass to charge ratio
mmol	milliMole
min	Minutes
M	Molar
μM	microMolar
MHz	Mega hertz
NMR	Nuclear magnetic resonance

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N	Normal
N _o	Global Nucleophilicity
nm	nanometer
P-XRD	Powder X-ray diffraction spectroscopy
SEM	Scanning Electron Microscopy
SNP	Silver nanoparticles
TLC	Thin layer chromatography
UV-Vis	ultra violet –visible region
v/v	Volume by Volume
W	Watts
XRD	X-Ray diffraction
α	Alpha
Ω	ohm
β	Beta
γ	Gama
Δ	Delta
δ	Delta
n	Number
θ	Angle
Å	Angstrom
°	Degree
°C	Degree Celsius