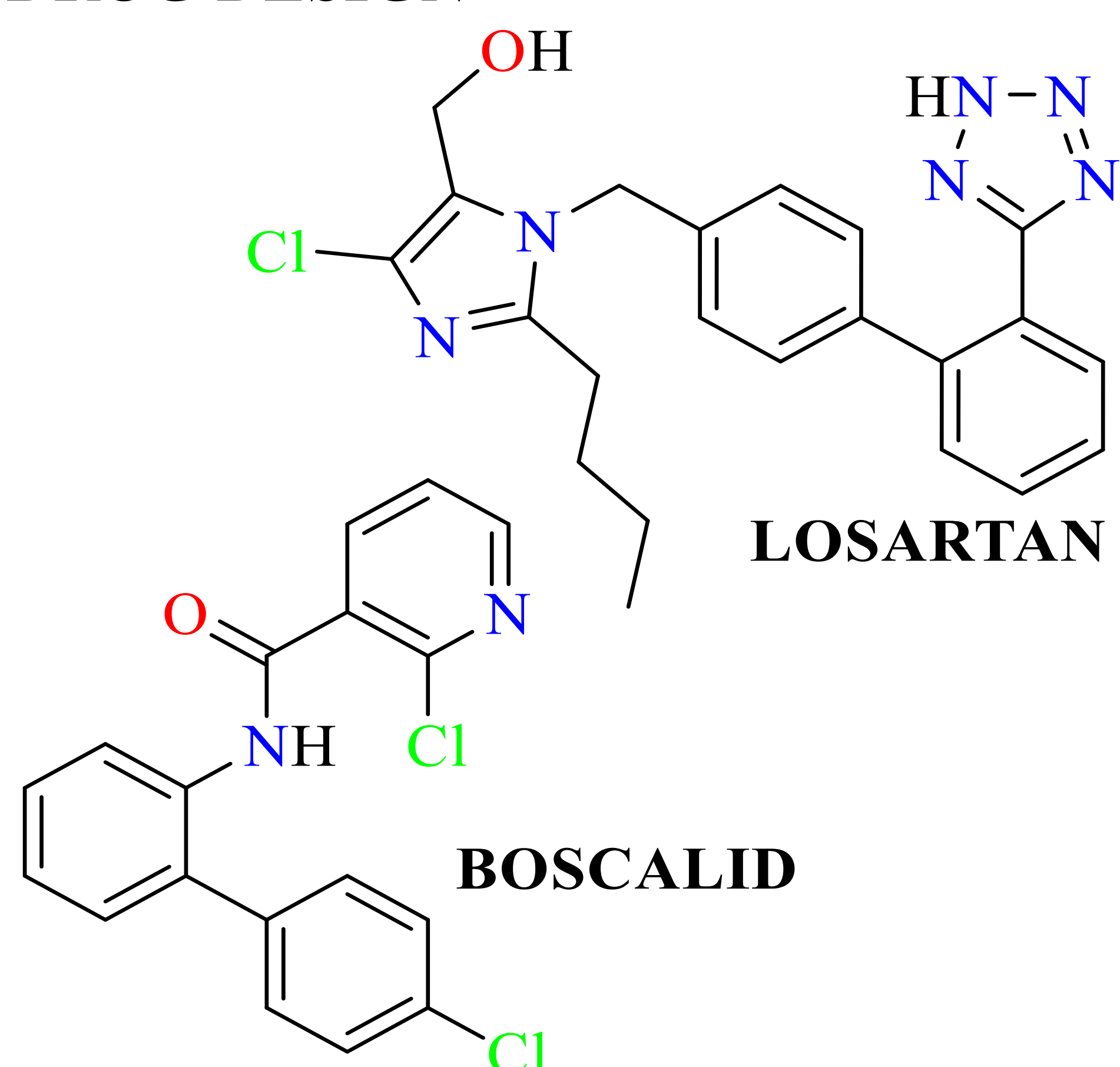


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INTRODUCTION/BACKGROUND

DRUG DESIGN



JUSTIFICATION/AIM

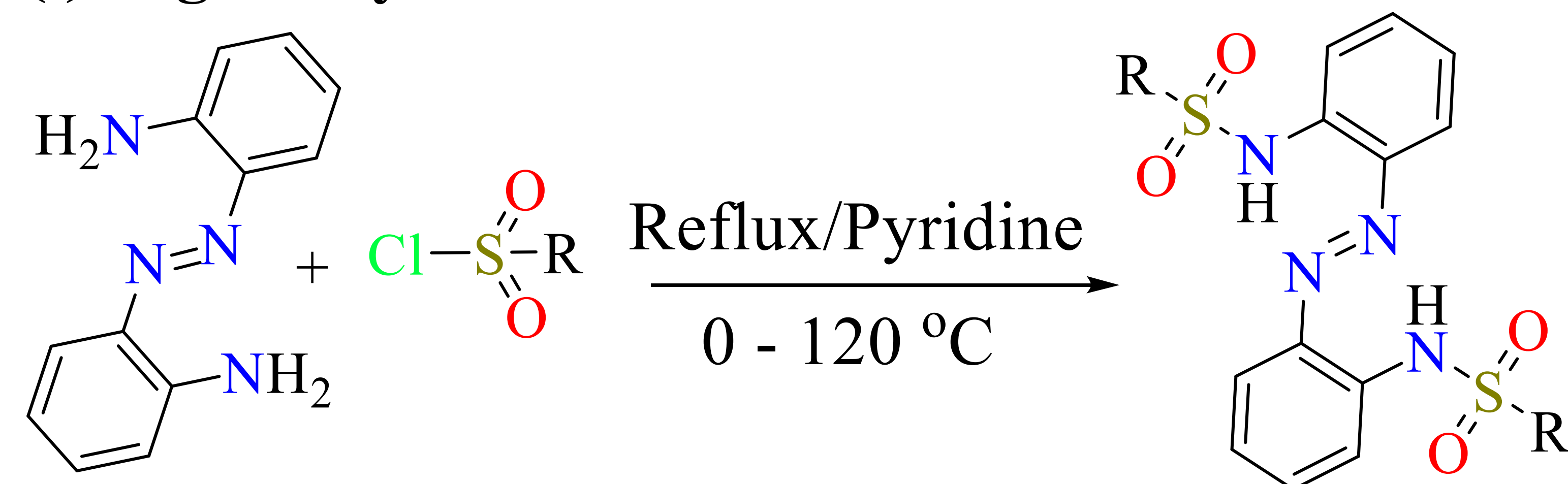
Sensitive

Costly

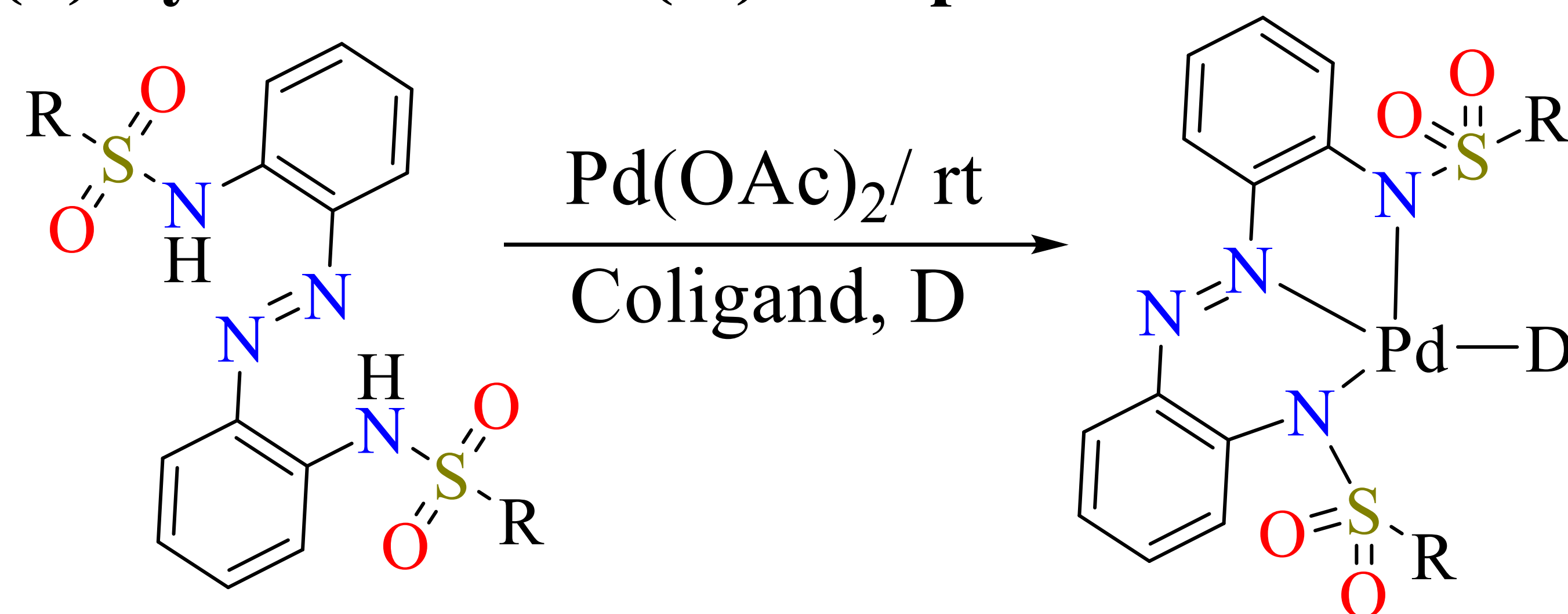
CX 32

EXPERIMENTAL SECTION

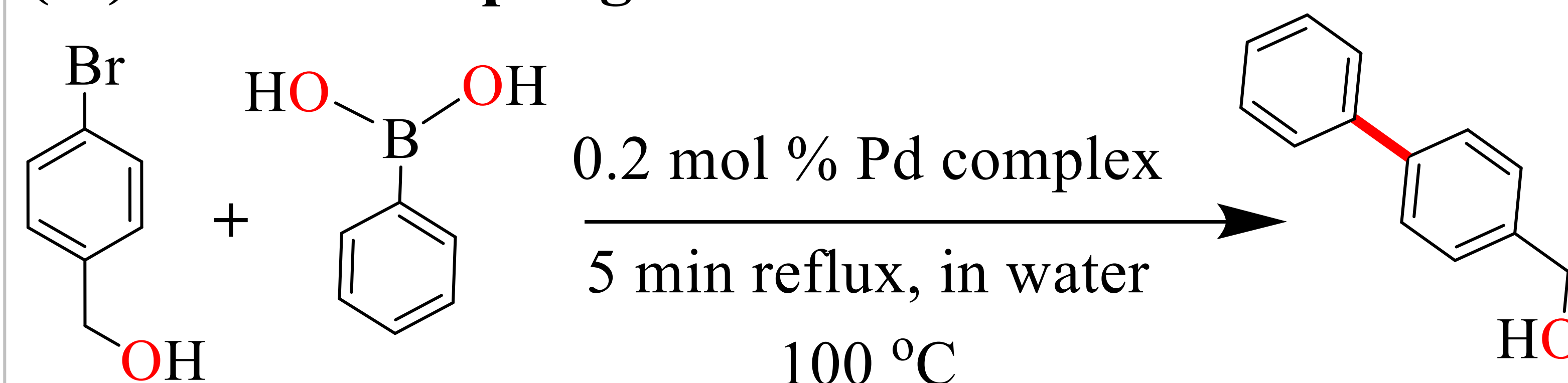
(i) Ligand synthesis



(ii) Synthesis of Pd(II) complexes

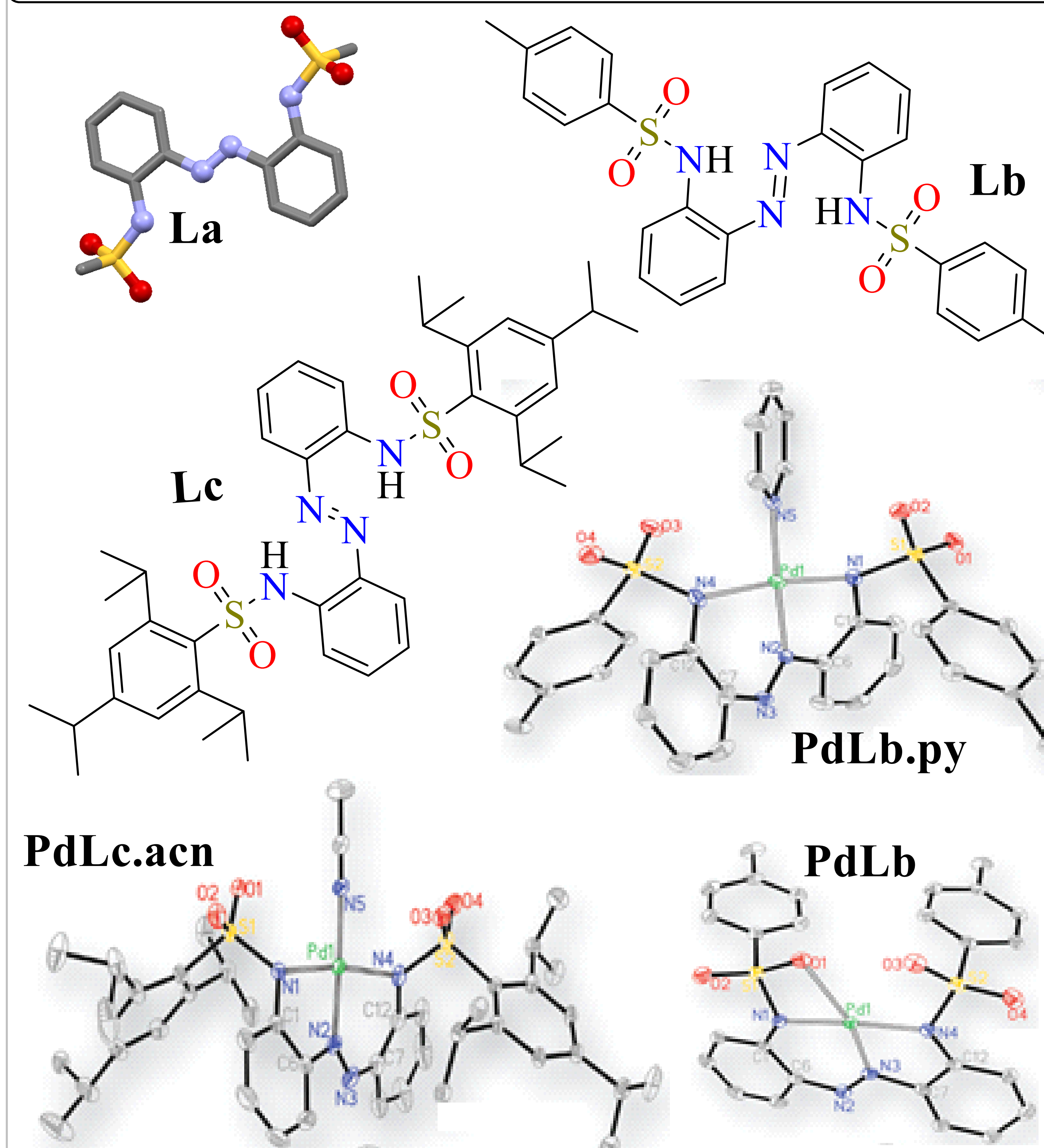


(iii) Suzuki coupling



RESULTS

Structures of the ligands and the Pd(II) complexes



Catalytic Result

Catalyst	Yield (%)	TOF (h ⁻¹)
Pd.La.w	3	180
Pd.La.acn	7	420
Pd.La.py	78	4680
Pd.Lb	47	2820
Pd.Lb.acn	66	3960
Pd.Lb.py	84	5040
Pd.Lc.w	67	4020
Pd.Lc.acn	76	4560
Pd.Lc.py	77	4620

The complexes are cost effective, stable to air/moisture and could be employed as industrial catalysts in green solvent