

This dataset contains:

Analytical characterisation of the new ligand and complexes (CHN microanalysis)

$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of the new organic ligand bpt (raw data).

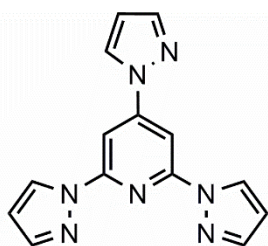
Electrospray mass spectra (plotted spectra).

X-ray Crystallographic data:

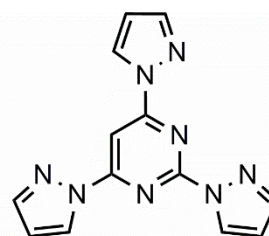
- Structure of bpt (CCDC 1569518).
- Structure of **1**·2MeCN (CCDC 1569519).
- Structure of  $\alpha$ -**2**·MeNO<sub>2</sub> (CCDC 1569520).
- Structure of  $\beta$ -**2**·yMeNO<sub>2</sub> (CCDC 1569521).
- Structure of **3** (CCDC 1815532).
- Structure of **4**·2MeNO<sub>2</sub> (CCDC 1569526).
- Structure of **5a** (CCDC 1569522).
- Structure of **5b** (CCDC 1569523).
- Structure of **5a**·MeNO<sub>2</sub> (CCDC 1569524).
- Structure of **5a**·MeOH (CCDC 1569525).
- Structure of **6** (CCDC 1569527).

X-ray powder diffraction data (measured and simulated).

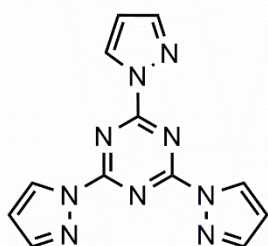
## Ligands employed in this study



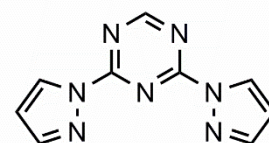
2,4,6-Tri(pyrazol-1-yl)pyridine  
 $\text{C}_{14}\text{H}_{11}\text{N}_7$   
tpp



2,4,6-Tri(pyrazol-1-yl)bipyrimidine  
 $\text{C}_{13}\text{H}_{10}\text{N}_8$   
tpym



2,4,6-Tri(pyrazol-1-yl)-1,3,5-triazine  
 $\text{C}_{12}\text{H}_9\text{N}_9$   
tpt



2,4-Di(pyrazol-1-yl)-6H-1,3,5-triazine  
 $\text{C}_9\text{H}_7\text{N}_7$   
bpt

## Silver complexes prepared during this study

