

## SUPPLEMENTARY MATERIAL

**TITLE:** *Iridium(III) Complexes containing 1,10-Phenanthroline and Derivatives – Synthetic, Stereochemical and Structural Studies, and their Antimicrobial Activity*

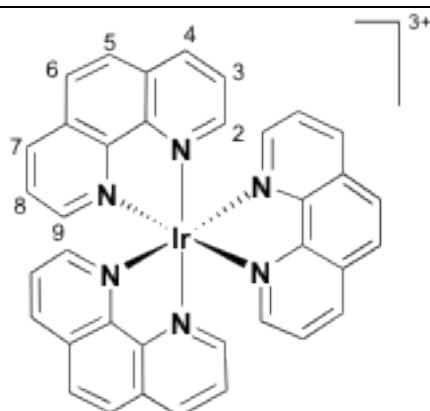
**AUTHORS:** M. Pandrala, F. Li, L. Wallace, P.J. Steel, B. Moore II, J. Autschbach, J.G.Collins, and F.R Keene

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### Numbering schemes used in reporting of $^1\text{H}$ NMR spectra of complex cations in Experimental Section

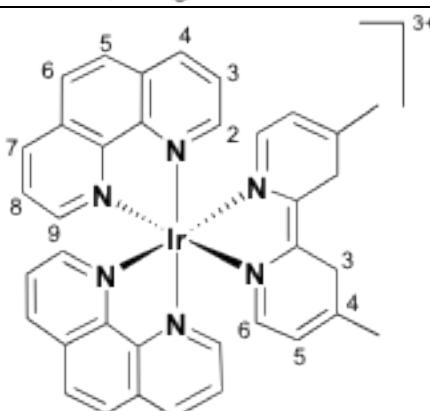
$[\text{Ir}(\text{phen})_3]^{3+}$

(Point Group symmetry –  $\mathbf{D}_3$ )



$[\text{Ir}(\text{phen})_2(\text{Me}_2\text{bpy})]^{3+}$

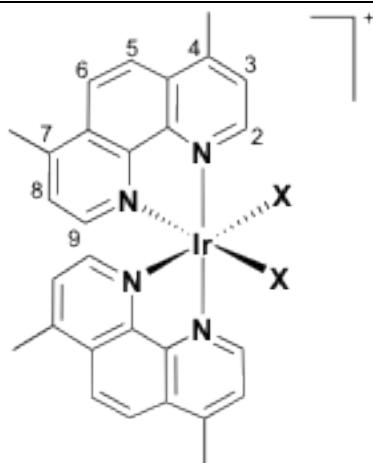
(Point Group symmetry –  $\mathbf{C}_2$ )



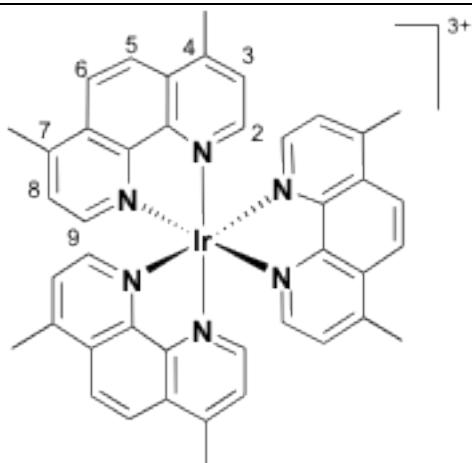


{X = Cl<sup>-</sup>, CF<sub>3</sub>SO<sub>3</sub><sup>-</sup>}

(Point Group symmetry – C<sub>2</sub>)

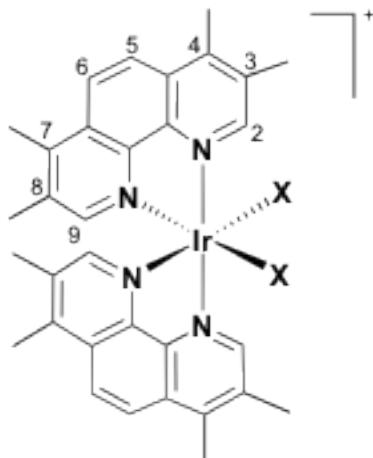


(Point Group symmetry – D<sub>3</sub>)



{X = Cl<sup>-</sup>, CF<sub>3</sub>SO<sub>3</sub><sup>-</sup>}

(Point Group symmetry – C<sub>2</sub>)



(Point Group symmetry – D<sub>3</sub>)

