



o-Phenanthroline (phen)

a bidentate ligand
 (like $\text{H}_2\ddot{\text{N}}\text{CH}_2\text{CH}_2\ddot{\text{N}}\text{H}_2$)

$\lambda_{\text{max}} = 508 \text{ nm}$

Taken from Daniel C. Harris, *Quantitative Chemical Analysis*, 6th Ed., Freeman: New York, 2003.