

Table 1: Spectroscopic Properties of Non-Heme Carboxylate-Bridged Diiron Nitrosyl Complexes

Sample	Optical Properties:	Mössbauer Properties		Reference
	$\lambda_{\max}$ [nm] ( $\epsilon$ [ $\text{M}^{-1} \text{cm}^{-1}$ ])	$\delta$ (mm/s)	$\Delta E_Q$ (mm/s)	
$[\text{Fe}_2(\text{NO})_2(\text{Et-HPTB})(\text{OBz})]^{2+}$	520 (395), 620 (579)	0.67	1.44	49
<i>E. coli</i> Ribonucleotide Reductase R2 (dinitrosyl)	450 (760), 620 (220)	0.75	-2.13, -1.73	27
<i>P. gouldii</i> Hemerythrin (mononitrosyl)	408 (1200), 500 (700), 600 (500)	0.68 1.21 Fe(II)	0.61 2.65 Fe(II)	25, 26
Dinitrosyl Adduct of $[\text{Fe}_2(\mu\text{-XDK})(\mu\text{-O}_2\text{CPh})(\text{ImH})_2(\text{O}_2\text{CPh})(\text{MeOH})]$	450 (2100), 630 (670)	0.74	1.41	34