Electronic Supplementary Material (ESI) for Dalton Transactions

Synthesis, Physicochemical Properties and Antioxidant Activity of Deferiprone-Cyclodextrin Conjugates and their Iron(III) Complexes

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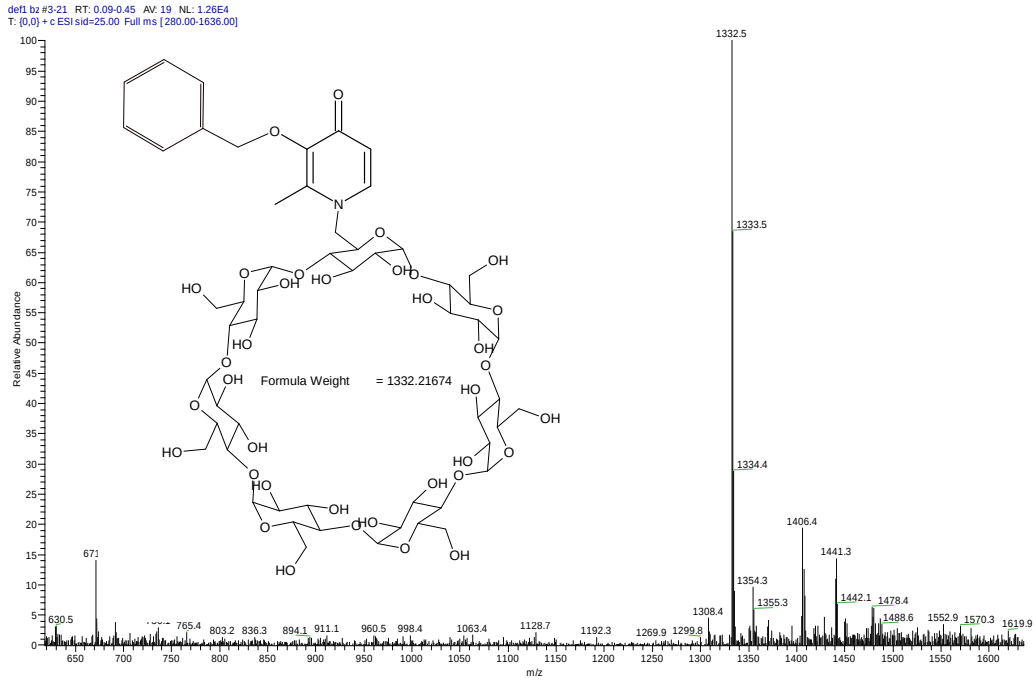

Figure 1 - ESI-MS (1-benzylated)

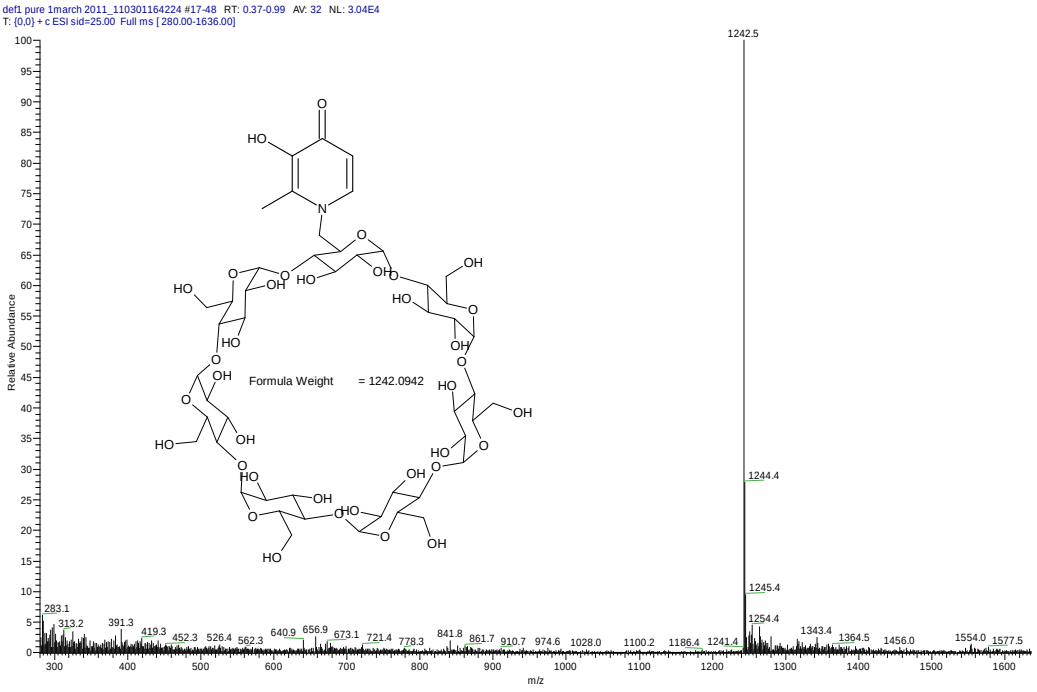

Figure 2 - ESI-MS (1)

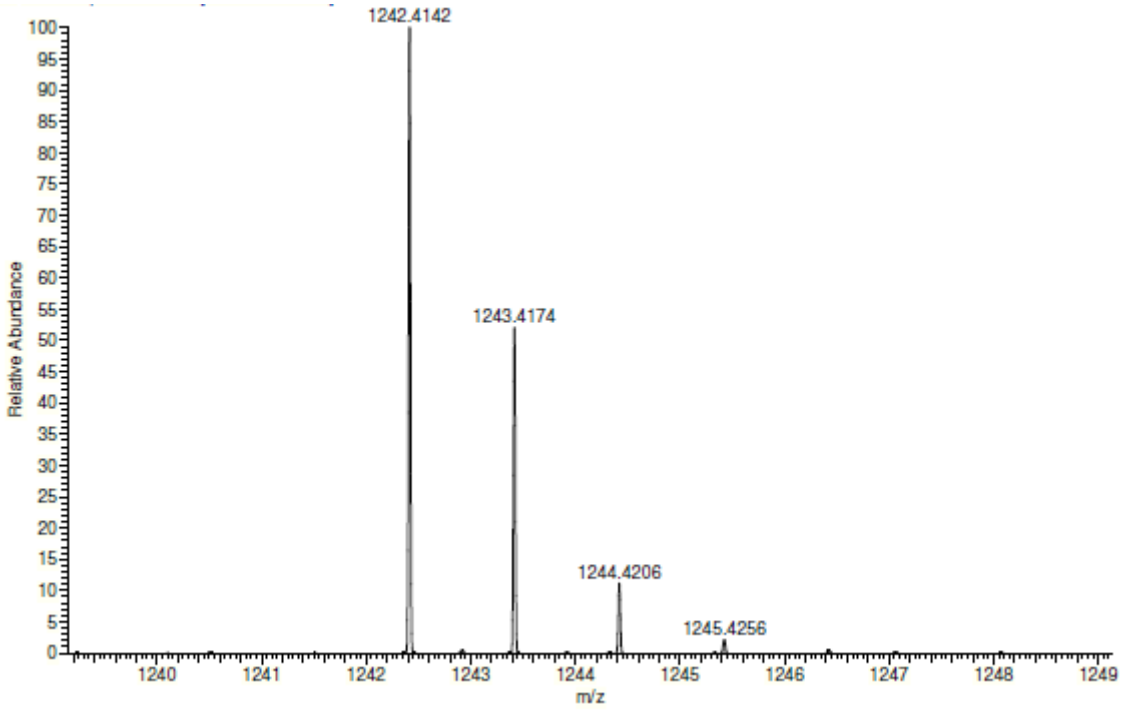

Figure 3 - HR ESI-MS (1)

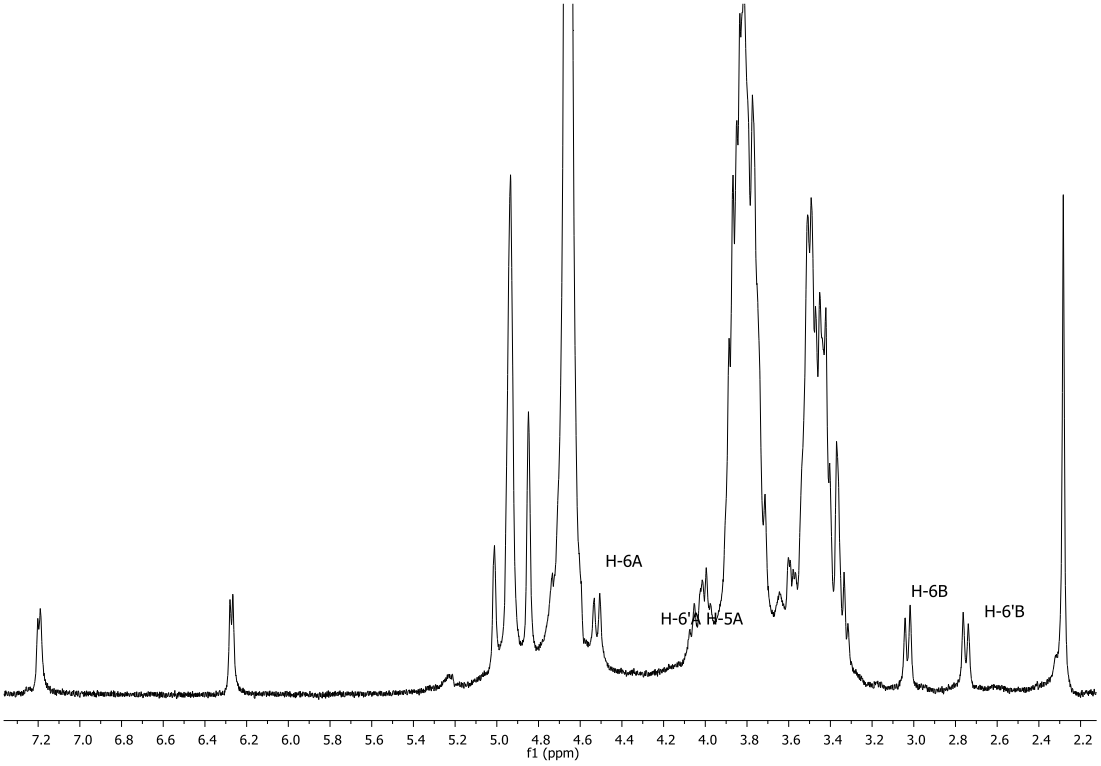

Figure 4 - ^{1}H NMR (1) (D_2O) 500MHz

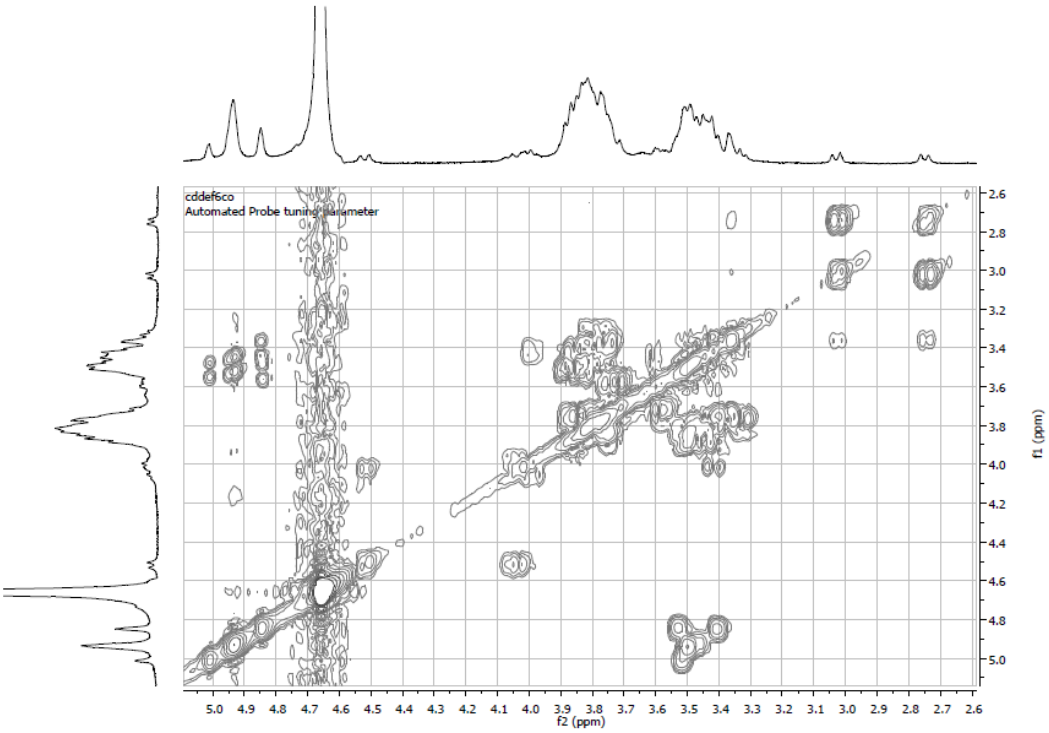

Figure 5 - ^{1}H-^{1}H COSY NMR (1) (D_2O) 500MHz

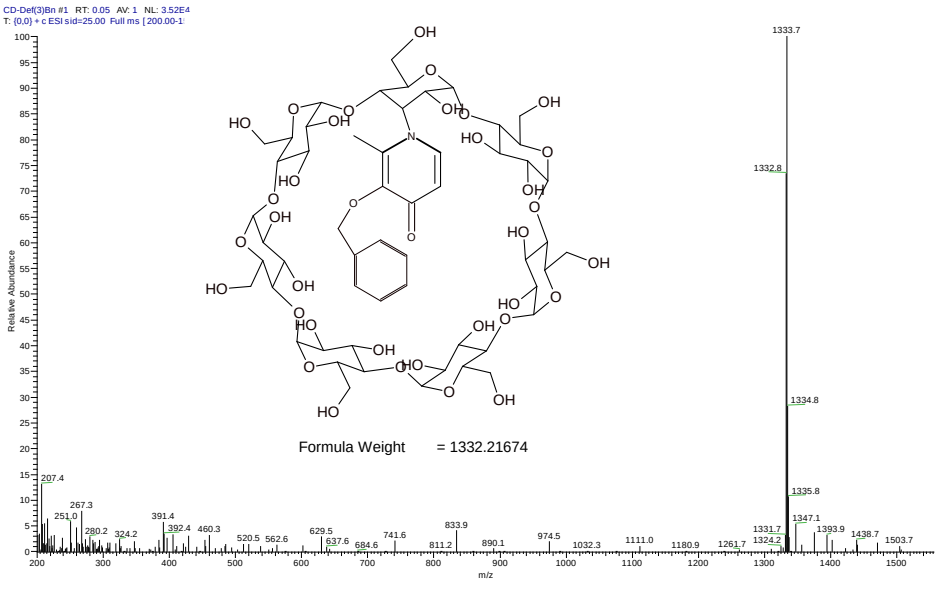

Figure 6 - ESI-MS (2-benzylated)

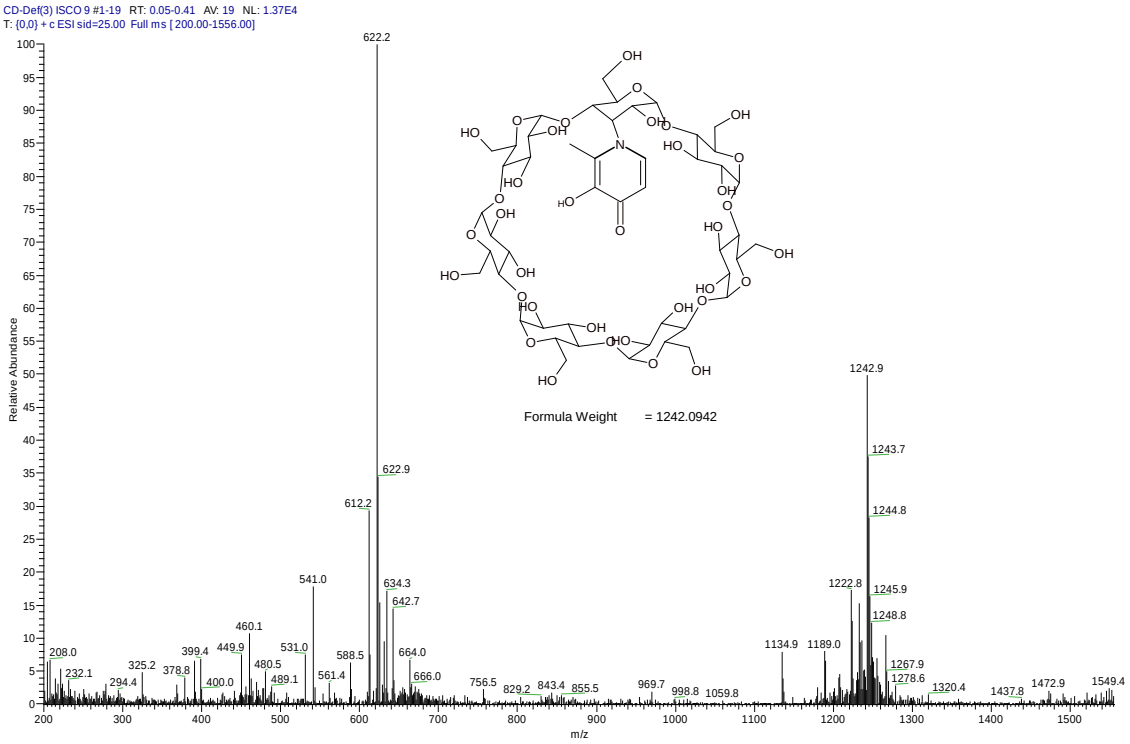

Figure 7 - ESI-MS (2)

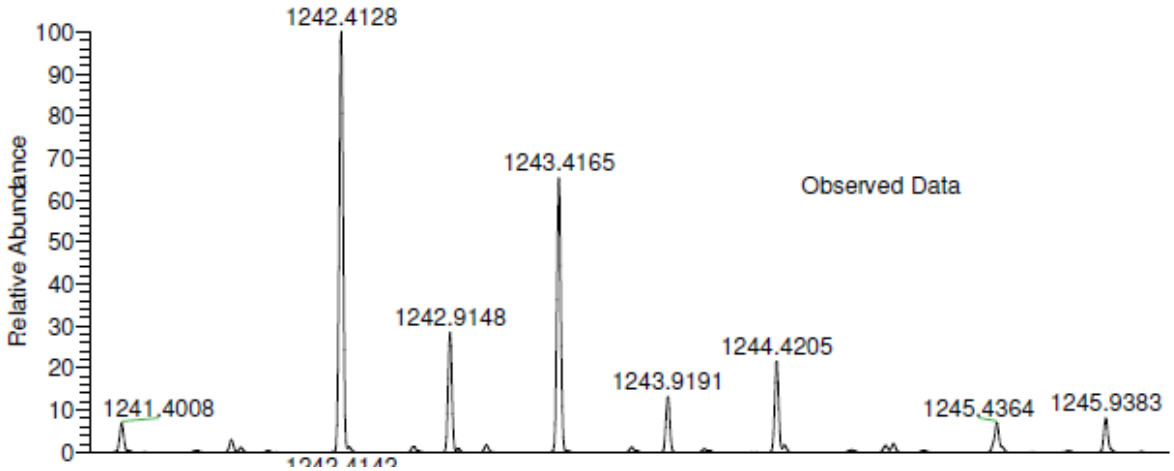

Figure 8 - HR ESI-MS (2)

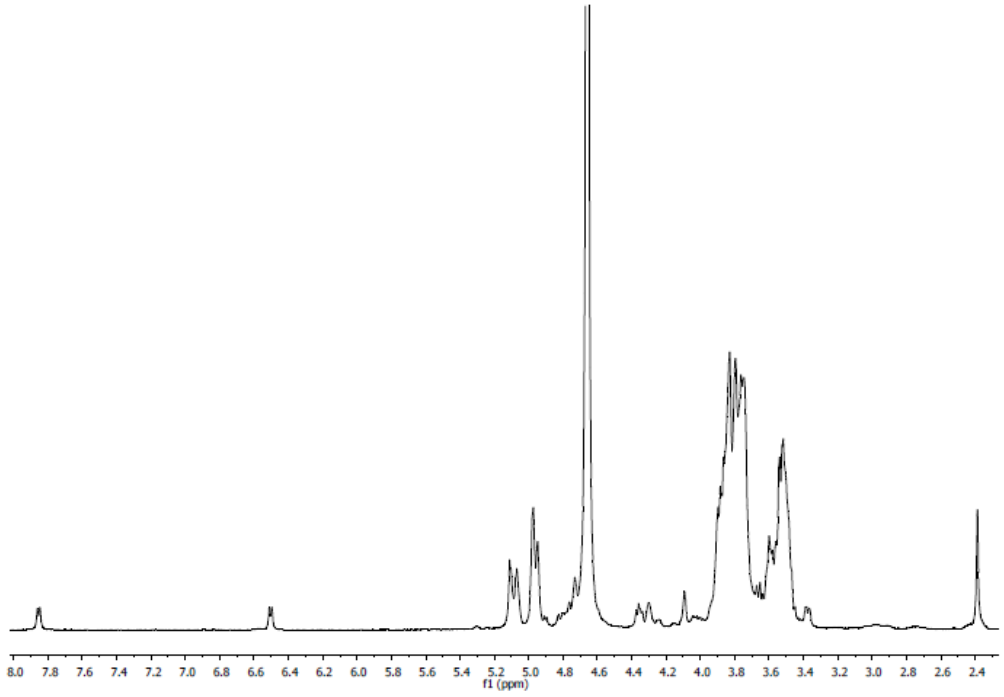

Figure 9 - ^{1}H NMR (2) (D_2O) 500MHz

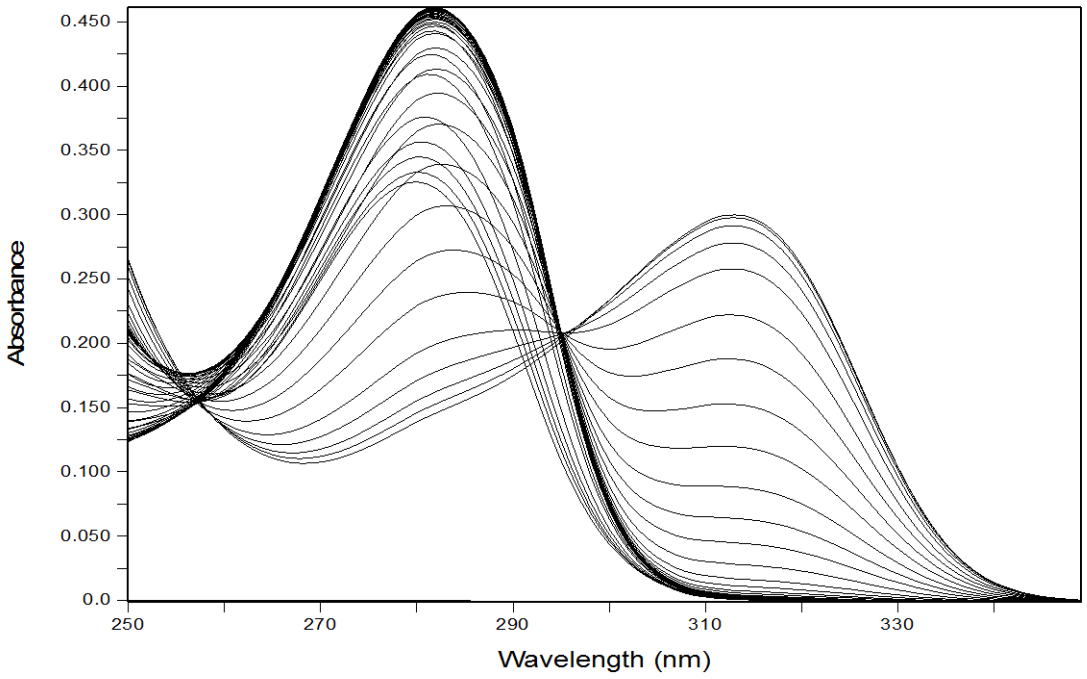

Figure 10 - Spectrophotometric titration of [1]= 64.3µM in 20.460 ml 0.1M KCl at 25°C pH from 2.384 to pH 11.078

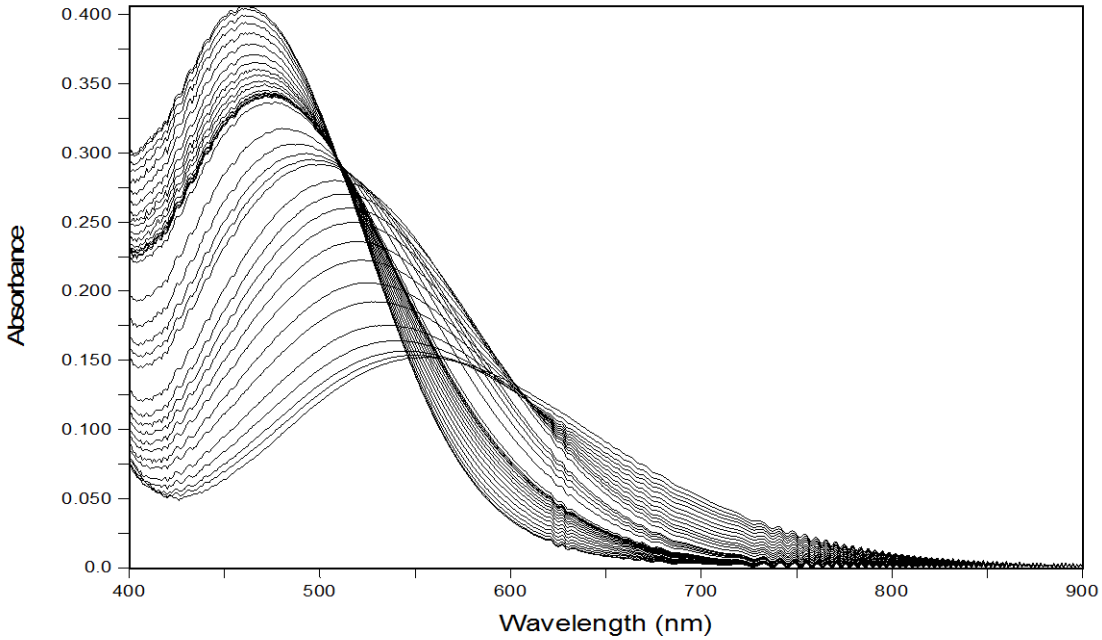

Figure 11 - Spectrophotometric titration of [1]= 224.5µM [Fe3+]= 17.8µM ratio of L:M= 12.6, in 20.123 ml 0.1M KCl at 25°C pH from 2.074 to pH 5.821

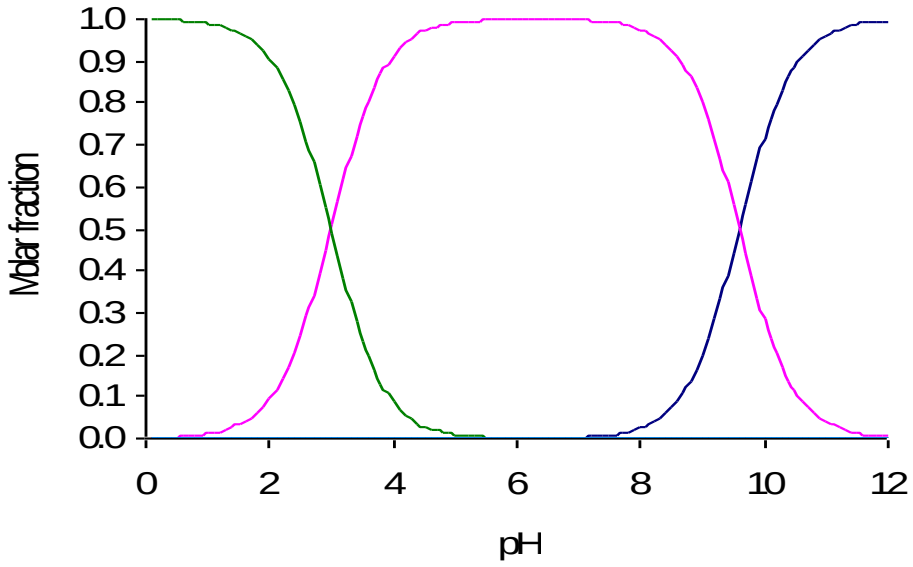

Figure 12 - Speciation plot of (1) in water pH 0-12

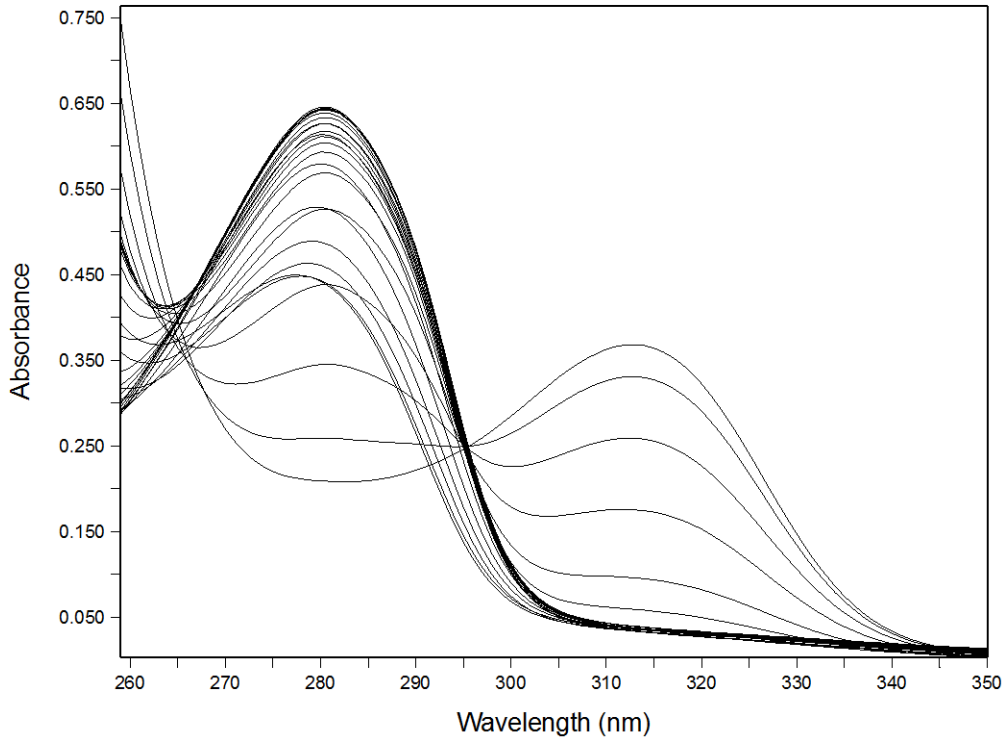

Figure 13 - Spectrophotometric titration of [2]= 64.3µM in 20.460 ml 0.1M KCl at 25°C pH from 2.384 to pH 11.078

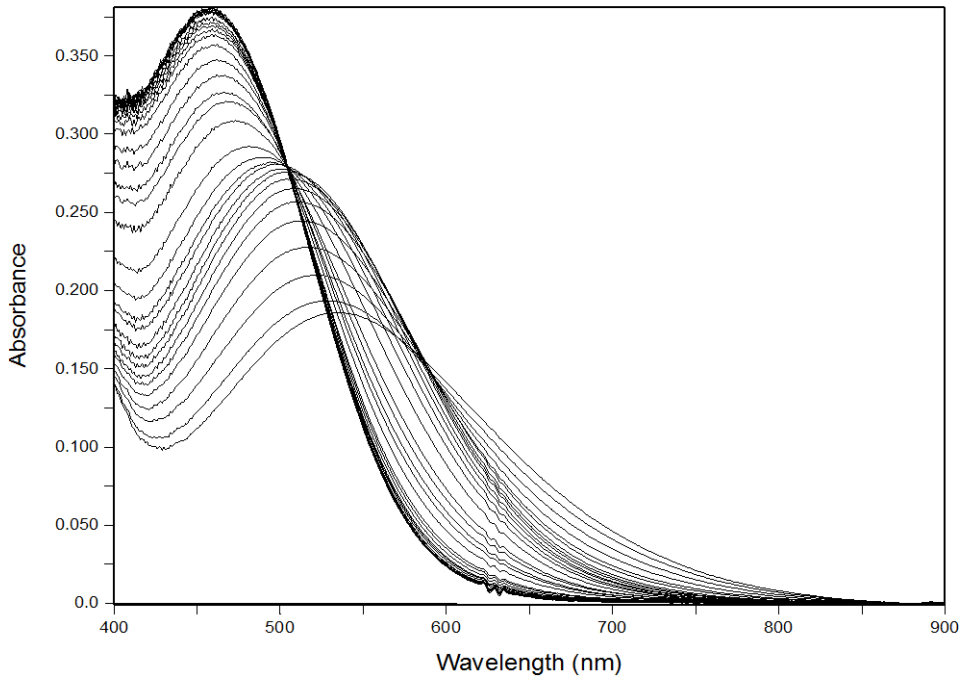

Figure 14 - Spectrophotometric titration of [2]= 224.5µM [Fe3+]= 17.8µM ratio of L:M= 12.6, in 20.123 ml 0.1M KCl at 25°C pH from 2.074 to pH 5.821

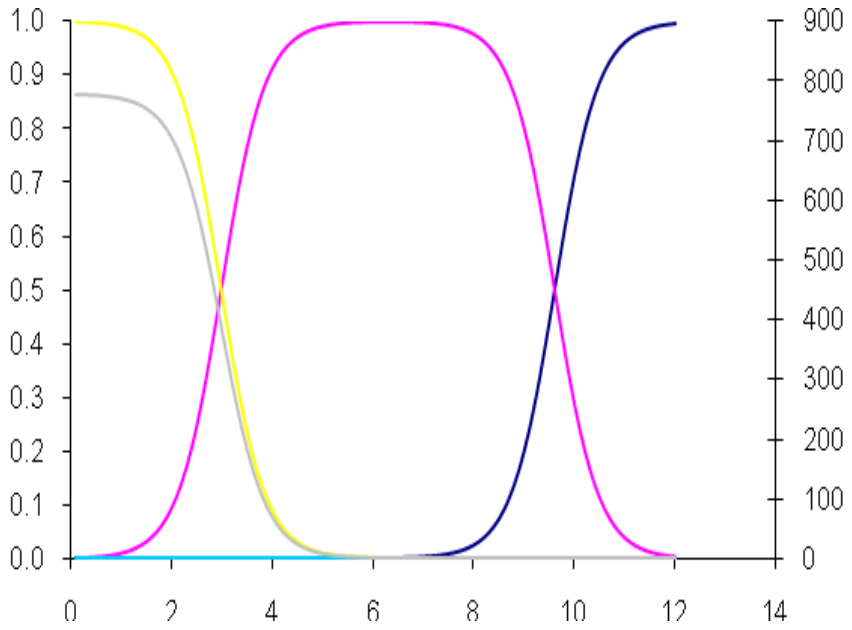

Figure 15 - Speciation plot of (2) in water pH 0-12

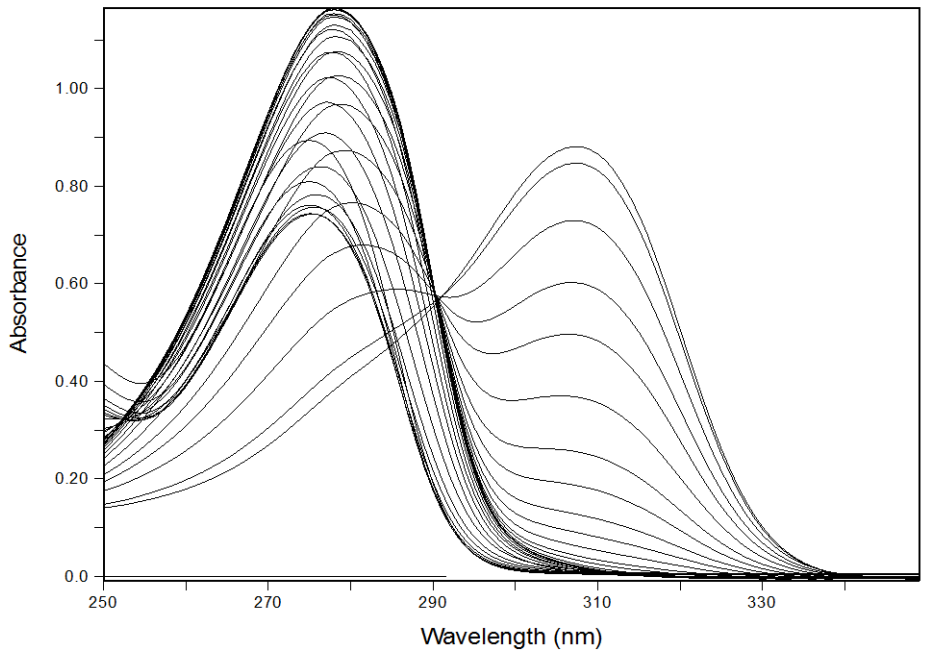

Figure 16 - Spectrophotometric titration of [HPO]= 1176.8 µM in 15.084 ml 0.1M KCl at 25°C pH from 1.645 to pH 11.047

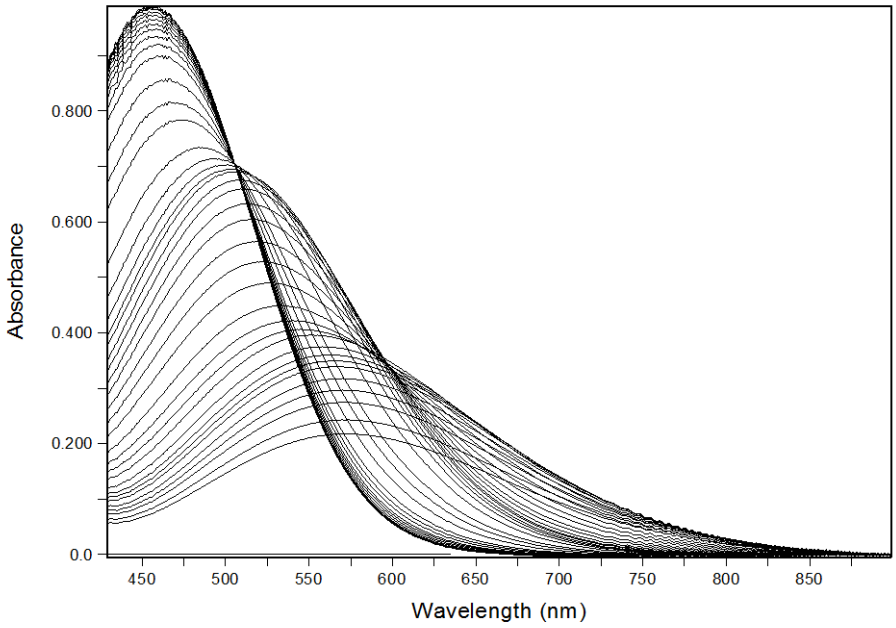

Figure 17 - Spectrophotometric titration of [HPO]= 1176.8 µM in 15.084 ml 0.1M KCl at 25°C pH from 1.645 to pH 11.047

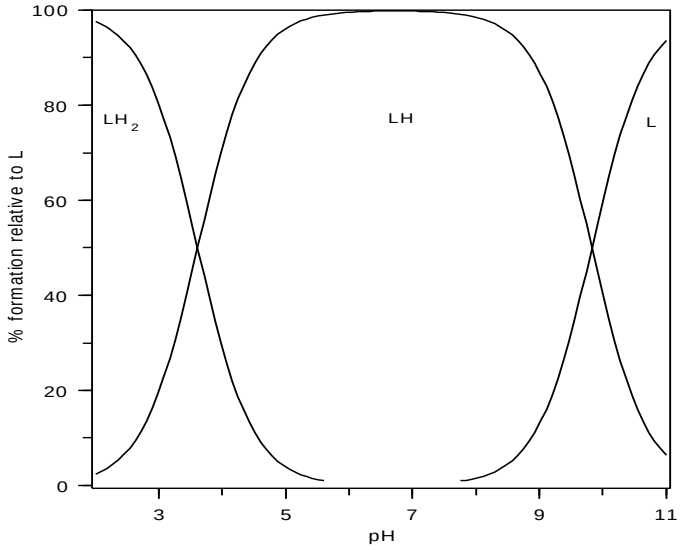

Figure 18 - Speciation plot of (HPO) in water pH 2-11

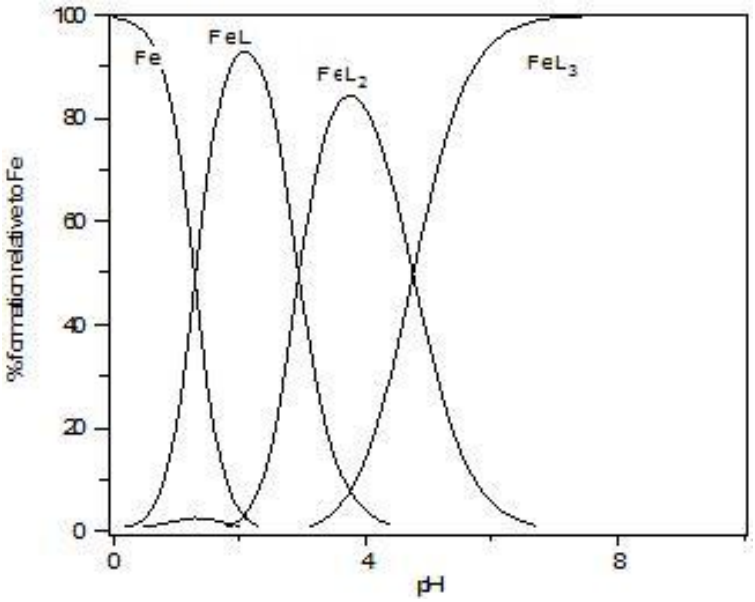

Figure 19 - Speciation plot of 2 (L). 10µM with 1µM iron(III)