Supporting information

Formation of hydridocobalt(III) phthalocyanine by reaction of cobalt(II) phthalocyanines with sodium borohydride and its reactions with antioxidant isoflavones

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Fig. 6: UV-vis spectra of tert.butyl-Co(II)Pc (4d) (a), tert.butyl-Co(II)Pc(4d) on addition of 7-hydroxy isoflavone (1d) in methanol (b-

Fig. 7: UV-vis spectra of tert.butyl-Co(II)Pc(4d) in methanol (a), on addition of 7-hydroxyisoflavone (1d) (b), followed by addition of sodium borohydride (c) in methanol.
Fig. 8: UV-vis spectra of 7-hydroxyisoflavone (1d) on addition of NaOH in methanol.

Figure 9: UV-vis spectra of p-nitrophenol with the addition of NaBH₄ in methanol.
Fig.10: $^1$H-NMR spectra of cis-7,8-Dimethyisoflavan-4-ol (2c)
Fig. 10a: $^1$H-NMR spectra of cis-7,8-Dimethyisoflavan-4-ol (2c)
Fig. 11: $^1$H-NMR spectra of trans-7,8-Dimethylosflavan-4-ol (3c)
Fig. 11a: $^1$H-NMR spectra of trans-7,8-Dimethyisoflavan-4-ol(3c)
Fig. 12: $^1$H-NMR spectra of cis-7,8-Dimethylisoflavan-4-ol (8c)
Fig.13: $^1$H-NMR spectra of trans-7,8-Dimethyisosflavan-4-ol(9c)