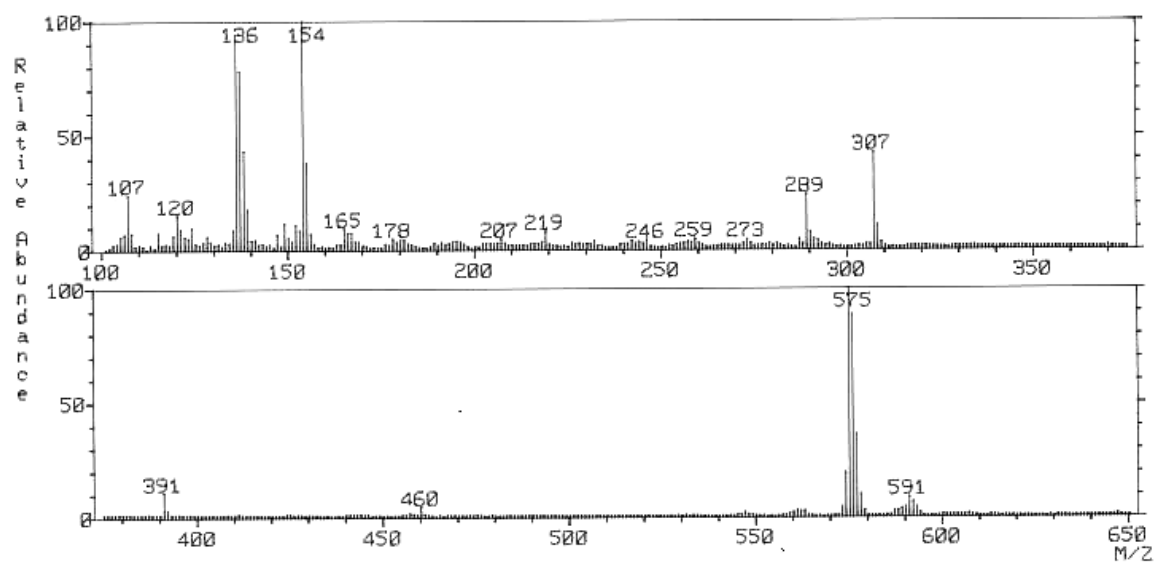# Supplementary Information

Core modified Oxybenziporphyrins: New aromatic ligands for Metal-Carbon bond activation

Sundararaman Venkatraman, Venkataramanarao G. Anand, Simi K. Pushpan, Jeyaraman Sankar and Tavarekere K. Chandrashekar[*]
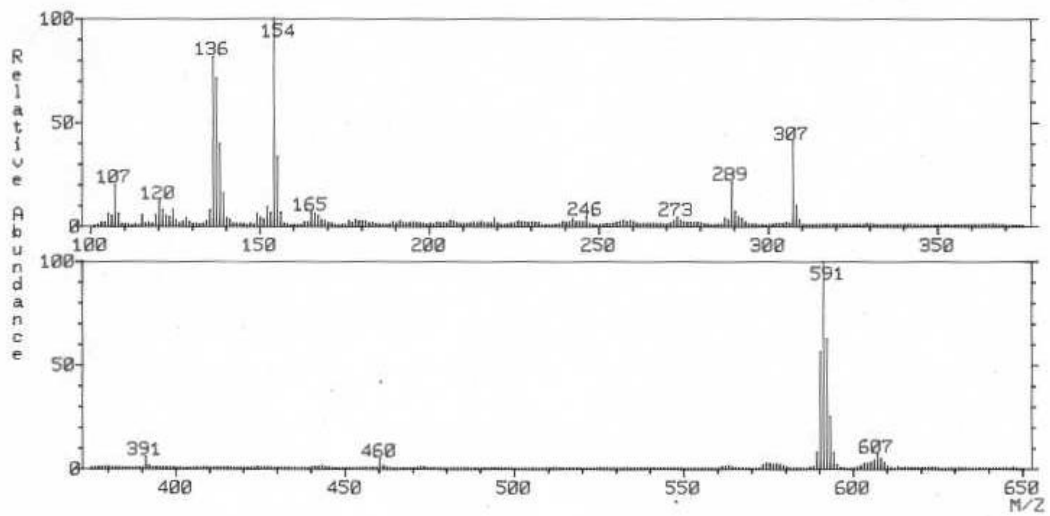
Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, India.
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MASS SPECTRUM   Data File: 1EJN18R
Sample: ON2C PROF TK CHANDRASHEKAR, IIT-K #2990
RT   0'00" FAB(Pos.) GC   1.4c BP: m/z 575.0000 Int. 65.9263 Lv 0.00
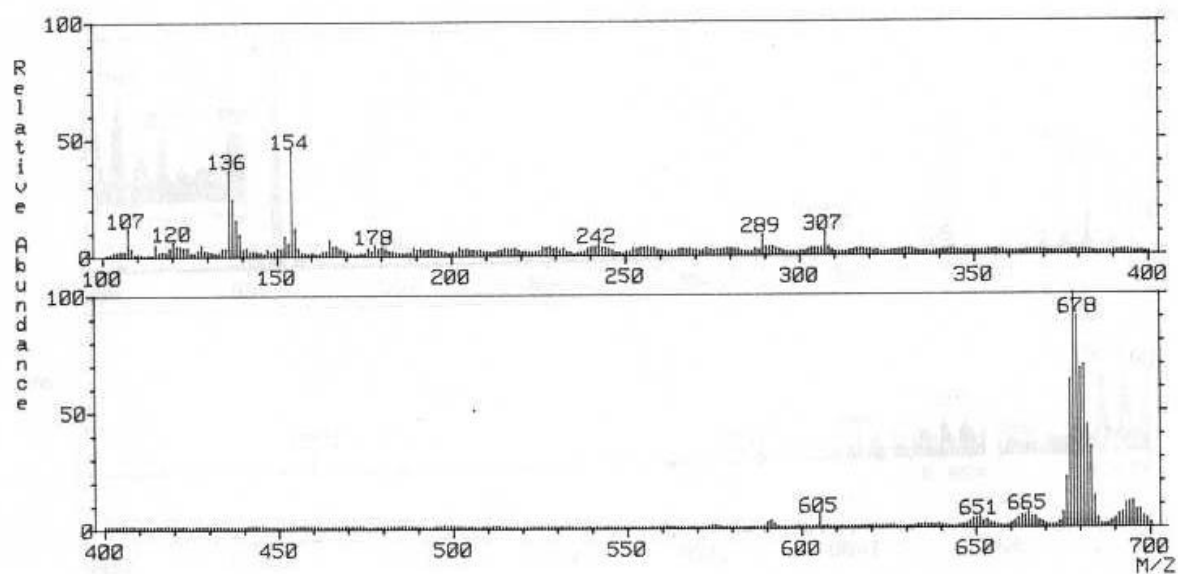Scan# (1 to 2)

S1:   FAB Mass spectrum of **6**

MASS SPECTRUM   Data File: 1EJN180
Sample: SN2C PROF TK CHANDRASHEKAR, IIT-K #2990
RT   0'12" FAB(Pos.) GC   1.4c BP: m/z 591.0000 Int. 79.4734 Lv 0.00
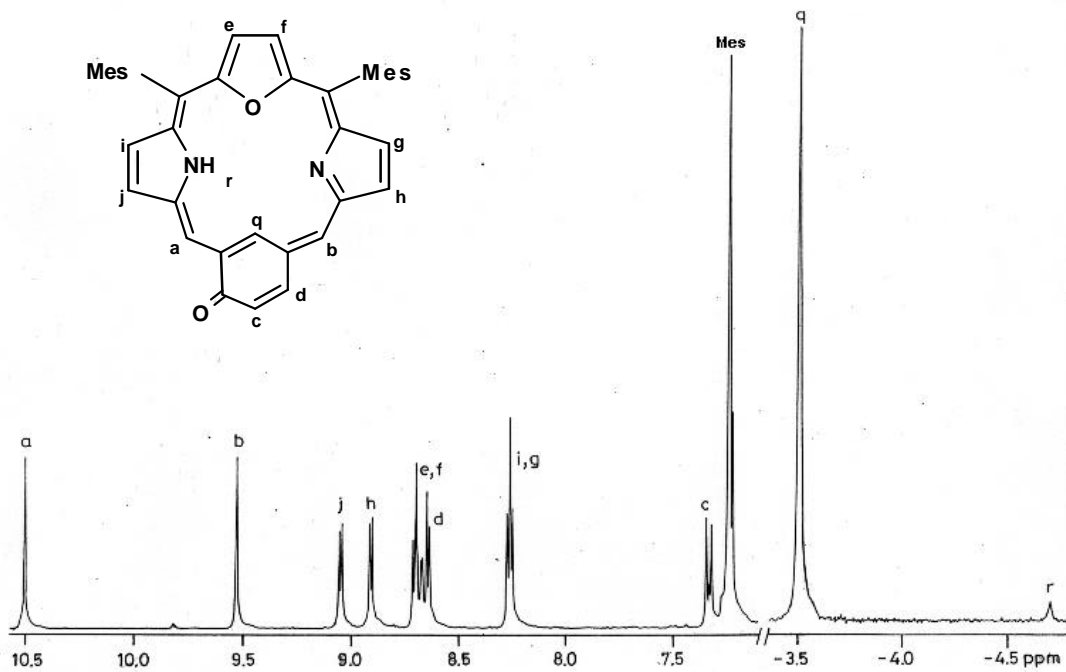Scan# (1 to 3)

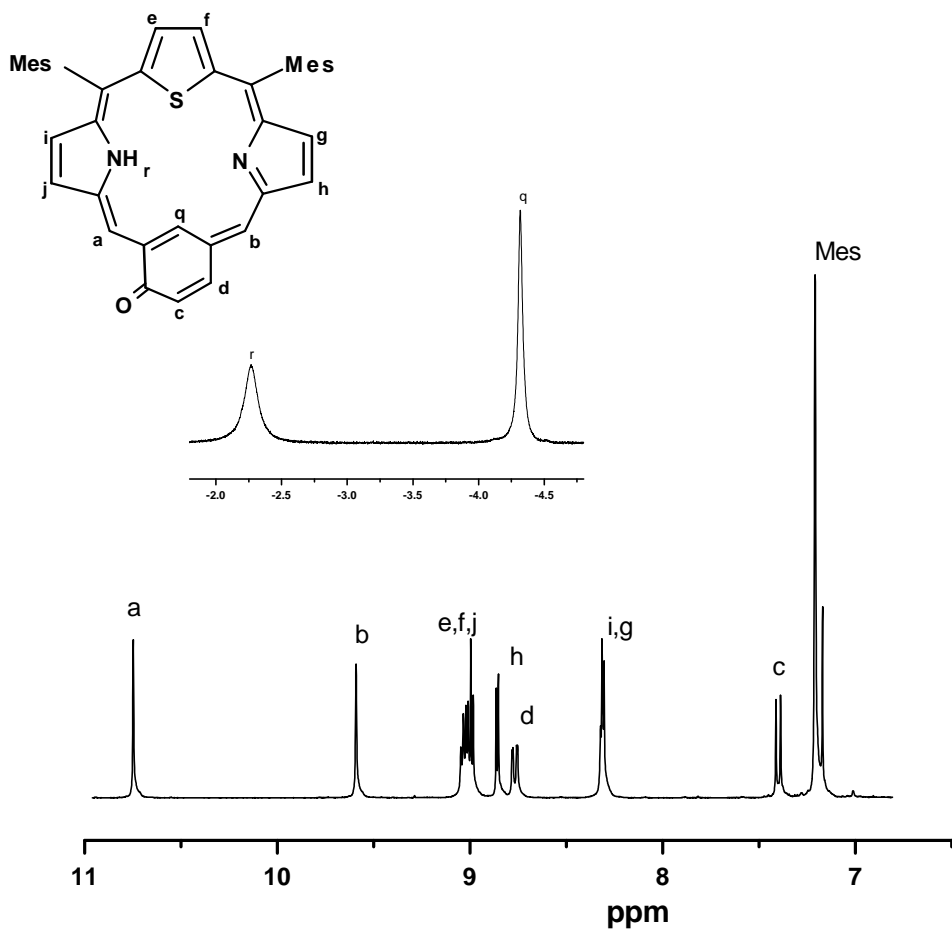S2:   FAB Mass spectrum of **7**

MASS SPECTRUM   Data File: 1EJN18P
SamPle: PDON2C PROF TK CHANDRASHEKAR, IIT-K #2990
RT   0'12" FAB(Pos.) GC   1.4c BP: m/z 678.0000 Int. 62.7004 Lv 0.00
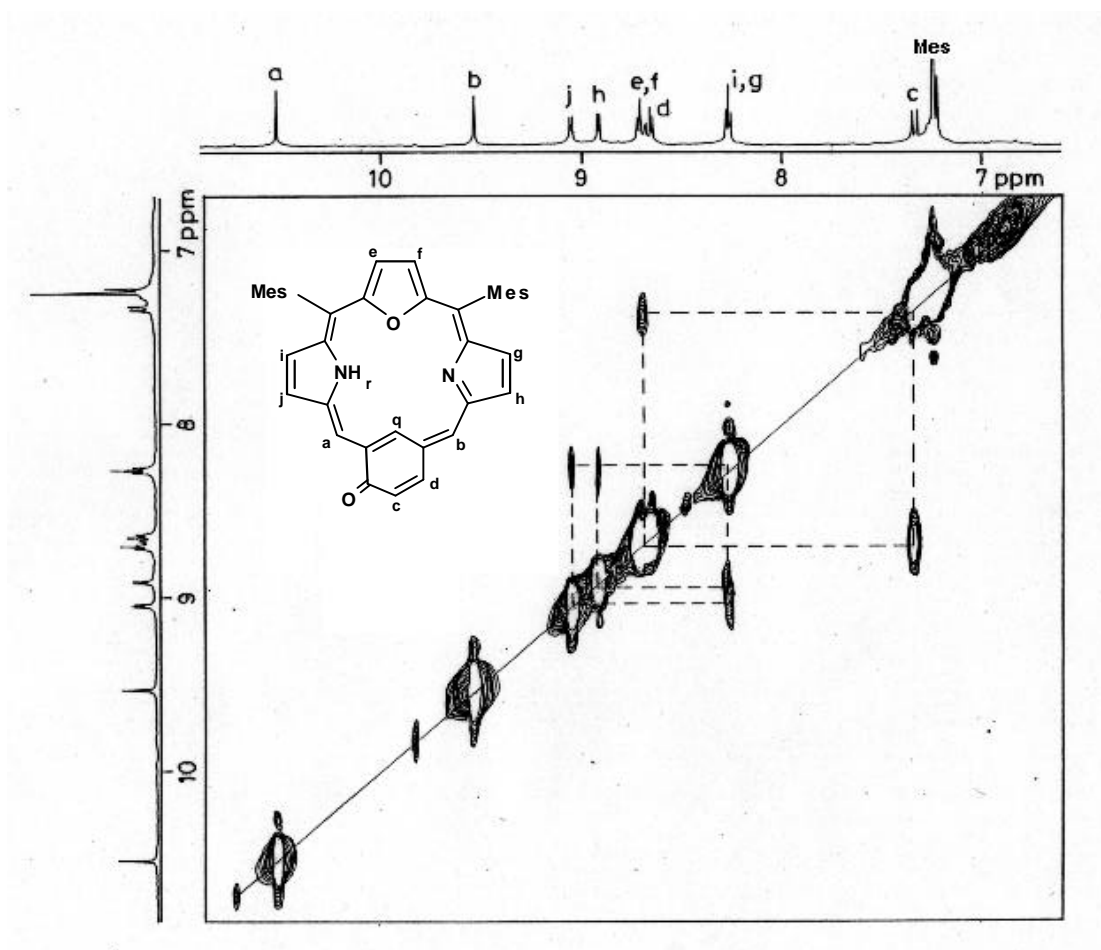Scan# (1 to 3)

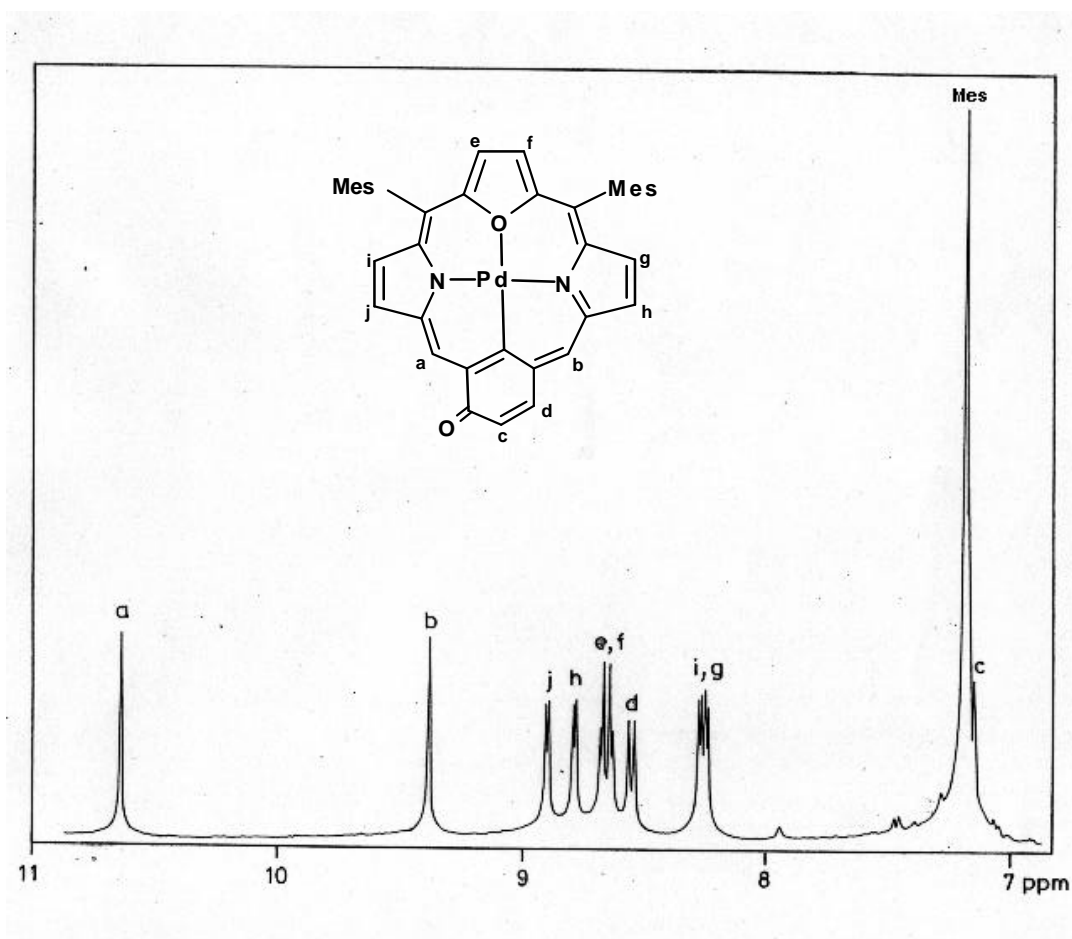S3:   FAB Mass spectrum of **8**

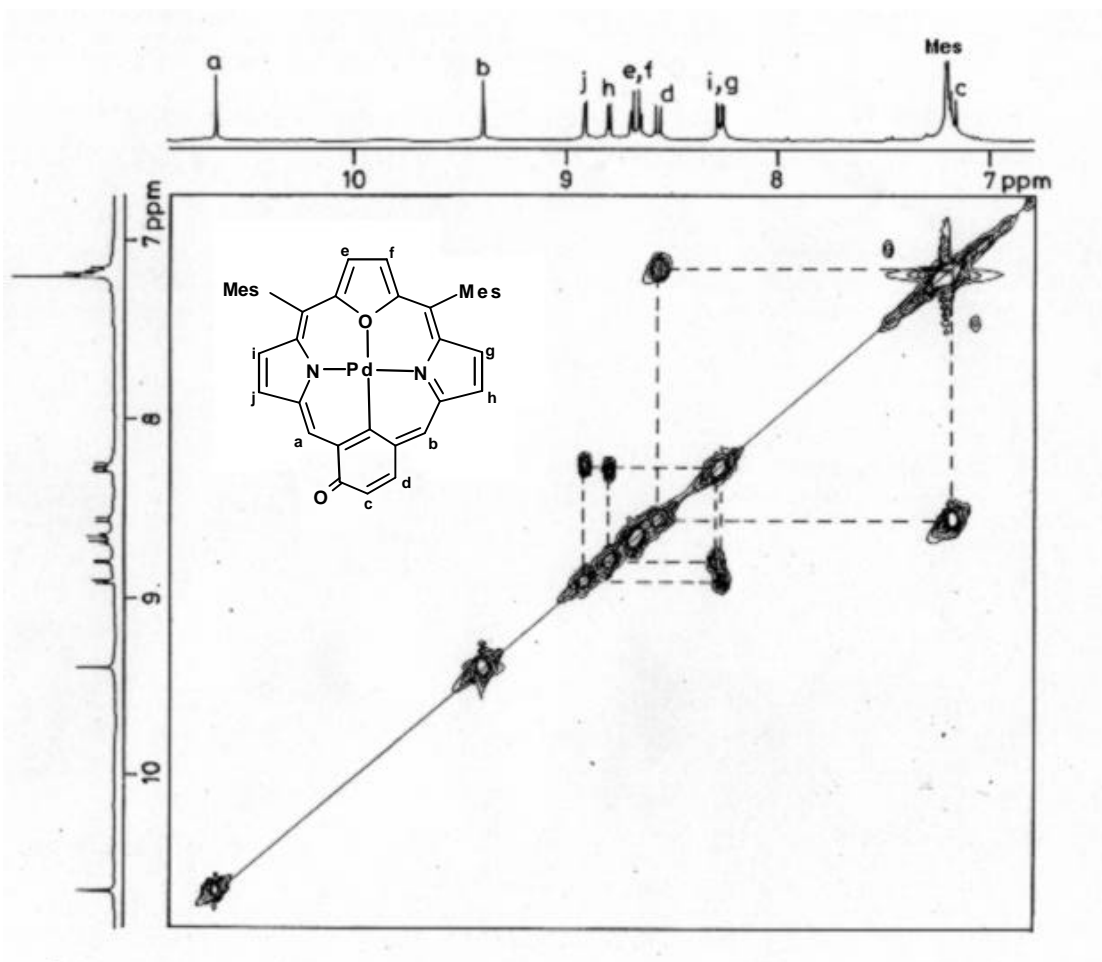S4: ¹H NMR spectrum of **6** in CDCl₃ at 298 K and assignments are marked

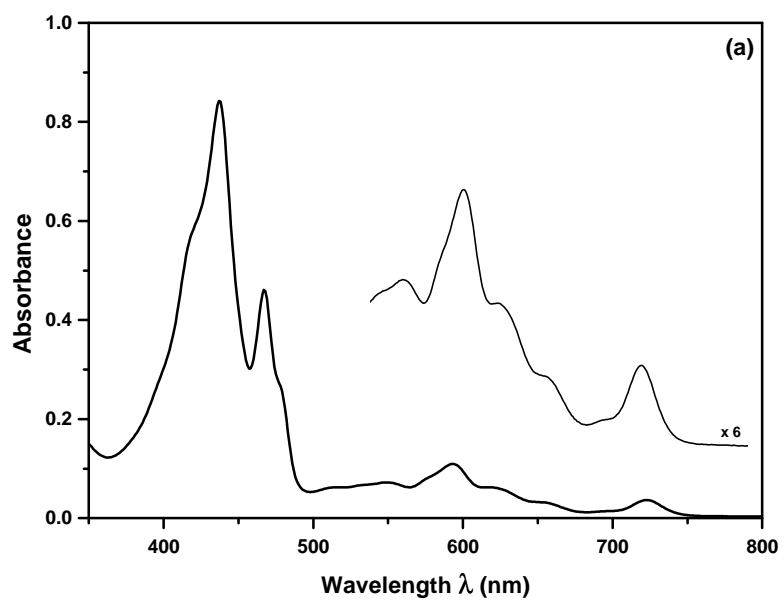S5:   ¹H NMR spectrum of **7** in CDCl₃ at 298 K and assignments are marked

S6: ^{1}H – ^{1}H COSY NMR spectrum of **6** in CDCl$_3$ at 298 K in aromatic region, the correlation observed are marked
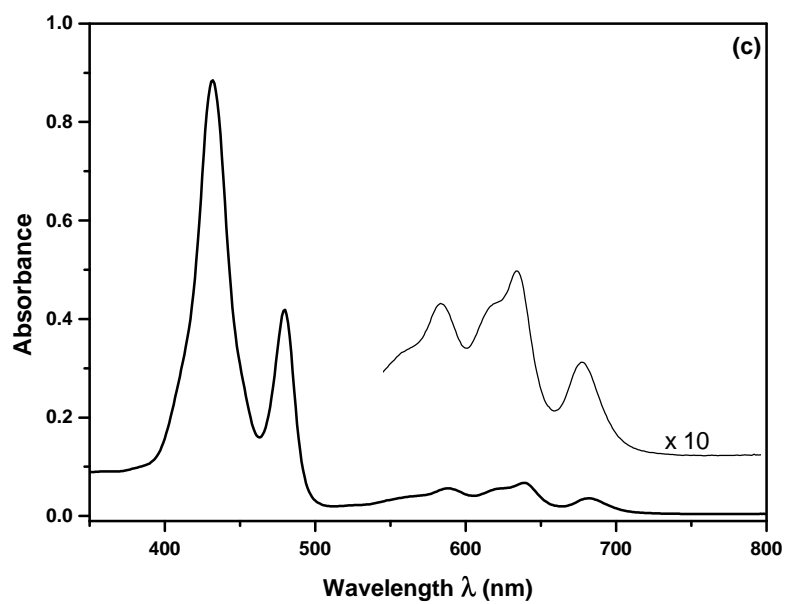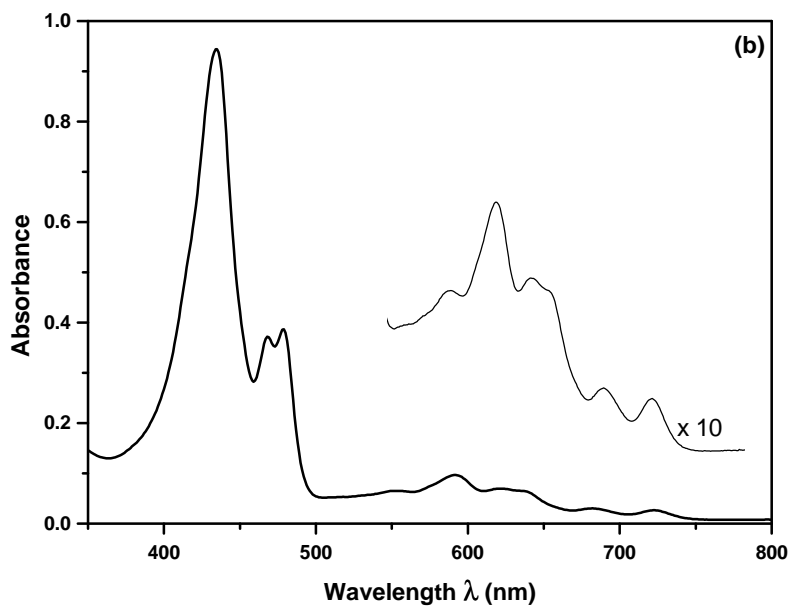
S7: ¹H – ¹H COSY NMR spectrum of **6** in CDCl₃ at 298 K in shielding region, the Correlations observed are marked

S8: ^{1}H NMR spectrum of **8** in CDCl$_3$ at 298 K and assignments are marked

S9: $^1H – {}^1H$ COSY NMR spectrum of **8** in CDCl$_3$ at 298 K correlations observed are marked

S10: UV – Visible absorption spectra of **6** (1.91 x 10^{-5} M (a) freebase (b) with 400μL 10^{-5} M TFA (c) with excess TFA