

SUPPLEMENTARY MATERIAL**Characterization of Porphyrins** (Elemental Analysis and FAB-MS)

5,10,15,20-tetraphenylporphyrin (**H₂TPP**): C₄₄H₃₀N₄

Elemental analysis: calcd. C:85.97, H:4.92, N:9.11; found C:85.67, H:4.96, N:9.37;

FAB-MS [m/z]: 616 (M)⁺ (calcd. 616.26).

5,10,15,20-tetrakis(4-fluorophenyl)porphyrin (**H₂T(p-F-P)P**): C₄₄H₂₆F₄N₄

Elemental analysis: calcd. C:76.96, H:3.82, F:11.07, N:8.16; found C:77.01, H:3.78, F:11.10, N:8.11;

FAB-MS [m/z]: 688 (M)⁺ (calcd. 688.23).

5,10,15,20-tetrakis(4-chlorophenyl)porphyrin (**H₂T(p-Cl-P)P**): C₄₄H₂₆Cl₄N₄

Elemental analysis: calcd. C:70.23, H:3.48, Cl:18.85, N:7.45; found C:70.00, H:3.23, Cl:18.96, N:7.81;

FAB-MS [m/z]: 754 (M)⁺ (calcd. 754.10).

5,10,15,20-tetrakis(4-bromophenyl)porphyrin (**H₂T(p-Br-P)P**): C₄₄H₂₆Br₄N₄

Elemental analysis: calcd. C:56.81, H:2.82, Br:34.36, N:6.02; found C:56.73, H:2.91, Br:34.45, N:5.91;

FAB-MS [m/z]: 932 (M)⁺ (calcd. 931.90).

5,10,15,20-tetrakis(4-iodophenyl)porphyrin (**H₂T(p-I-P)P**): C₄₄H₂₆I₄N₄

Elemental analysis: calcd. C:47.26, H:2.34, I:45.39, N:5.01; found C:47.53, H:2.13, I:45.23, N:5.11;

FAB-MS [m/z]: 1120 (M)⁺ (calcd. 1119.85).

5,10,15,20-tetrakis(3-chlorophenyl)porphyrin (**H₂T(m-Cl-P)P**): C₄₄H₂₆Cl₄N₄

Elemental analysis: calcd. C:70.23, H:3.48, Cl:18.85, N:7.45; found C:70.41, H:3.53, Cl:18.73, N:7.33;

FAB-MS [m/z]: 754 (M)⁺ (calcd. 754.10).

5,10,15,20-tetrakis(2-chlorophenyl)porphyrin (**H₂T(o-Cl-P)P**): C₄₄H₂₆Cl₄N₄

Elemental analysis: calcd. C:70.23, H:3.48, Cl:18.85, N:7.45; found C:70.35, H:3.35, Cl:18.60, N:7.70;

FAB-MS [m/z]: 754 (M)⁺ (calcd. 754.10).

5,10,15,20-tetraphenylporphyrato zinc(II) (**ZnTPP**): C₄₄H₂₈N₄Zn

Elemental analysis: calcd. C:77.93, H:4.16, N:8.26, Zn:9.64; found C:77.81, H:4.13, N:8.31, Zn:9.75;

FAB-MS [m/z]: 678 (M)⁺ (calcd. 678.18).

5,10,15,20-tetrakis(4-fluorophenyl)porphyrato zinc(II) (**ZnT(p-F-P)P**): C₄₄H₂₄F₄N₄Zn

Elemental analysis: calcd. C:70.46, H:3.23, F:10.13, N:7.47, Zn:8.72; found C:70.64, H:3.11, F:10.26, N:7.61, Zn:8.38;

FAB-MS [m/z]: 750 (M)⁺ (calcd. 750.14).

5,10,15,20-tetrakis(4-chlorophenyl)porphyrato zinc(II) (**ZnT(p-Cl-P)P**): C₄₄H₂₄Cl₄N₄Zn

Elemental analysis: calcd. C:64.77, H:2.96, Cl:17.38, N:6.87, Zn:8.01; found C:64.65, H:2.85, Cl:17.43, N:6.93, Zn:8.14;

FAB-MS [m/z]: 816 (M)⁺ (calcd. 816.02).

5,10,15,20-tetrakis(4-bromophenyl)porphyrato zinc(II) (**ZnT(p-Br-P)P**): C₄₄H₂₄Br₄N₄Zn

Elemental analysis: calcd. C:53.18, H:2.43, Br:32.16, N:5.64, Zn:6.58; found C:53.26, H:2.47, Br:32.41, N:5.67, Zn:6.19;

FAB-MS [m/z]: 996 (M)⁺ (calcd. 995.81).

5,10,15,20-tetrakis(4-iodophenyl)porphyrato zinc(II) (**ZnT(p-I-P)P**): C₄₄H₂₄I₄N₄Zn

Elemental analysis: calcd. C:44.72, H:2.05, I:42.96, N:4.74, Zn:5.53; found C:44.84, H:2.14, I:43.05, N:4.63, Zn:5.34;

FAB-MS [m/z]: 1182 (M)⁺ (calcd. 1181.76).

5,10,15,20-tetrakis(3-chlorophenyl)porphyrato zinc(II) (ZnT(m-Cl-P)P): C₄₄H₂₄Cl₄N₄Zn

Elemental analysis: calcd. C:64.77, H:2.96, Cl:17.38, N:6.87, Zn:8.01; found C:64.56, H:2.91, Cl:17.46, N:6.77, Zn:8.30;

FAB-MS [m/z]: 816 (M)⁺ (calcd. 816.02).

5,10,15,20-tetrakis(2-chlorophenyl)porphyrato zinc(II) (ZnT(o-Cl-P)P): C₄₄H₂₄Cl₄N₄Zn

Elemental analysis: calcd. C:64.77, H:2.96, Cl:17.38, N:6.87, Zn:8.01; found C:64.81, H:2.85, Cl:17.45, N:6.96, Zn:7.93;

FAB-MS [m/z]: 816 (M)⁺ (calcd. 816.02).