

Supporting Information

**Preparation and evaluation of ^{99m}Tc -labeled-porphyrin complexes prepared
using PNP and HYNIC cores: studying the effect of core selection on
pharmacokinetics and tumor uptake in mouse model**

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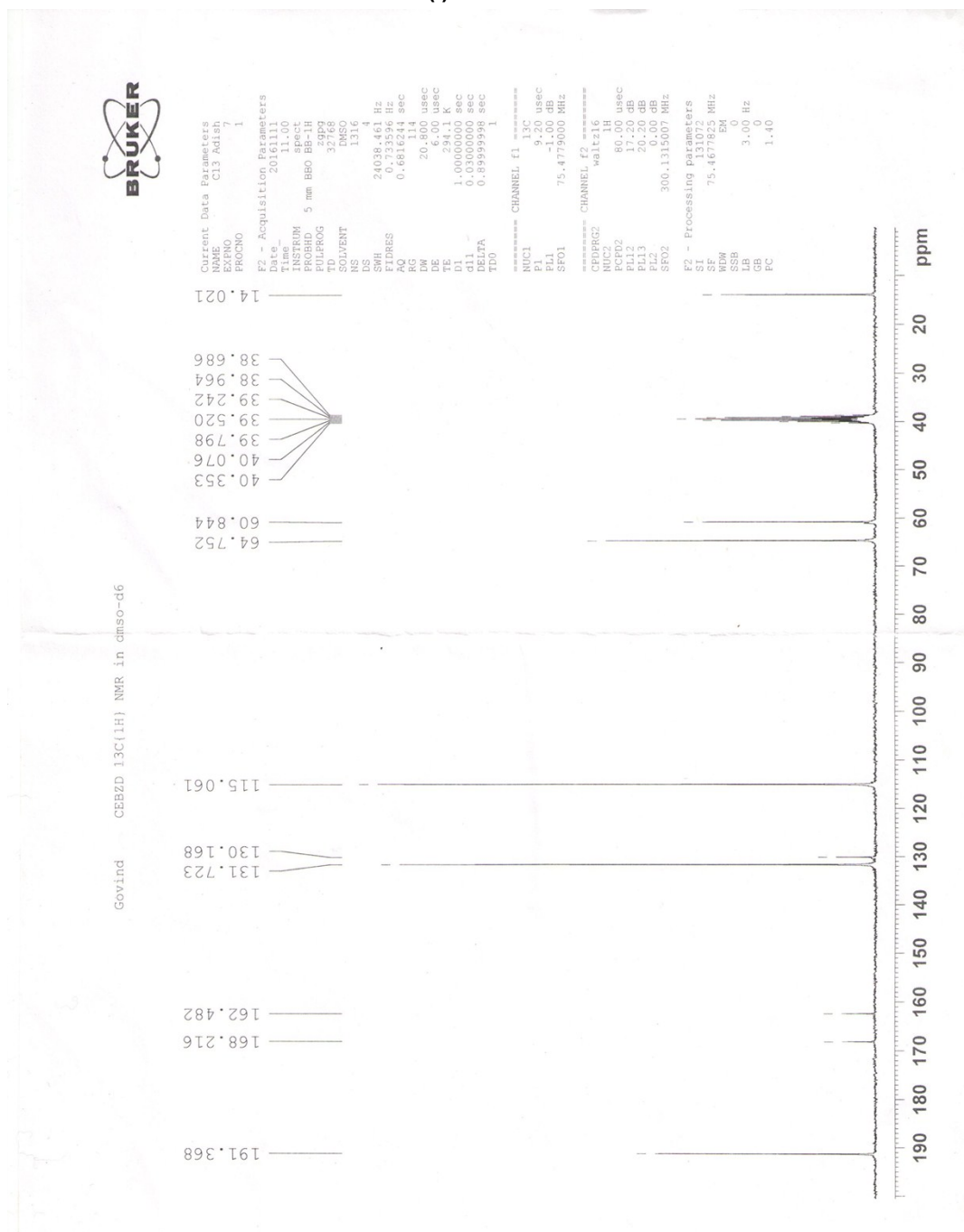
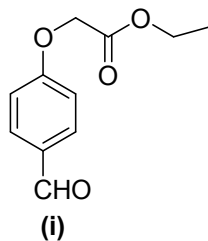
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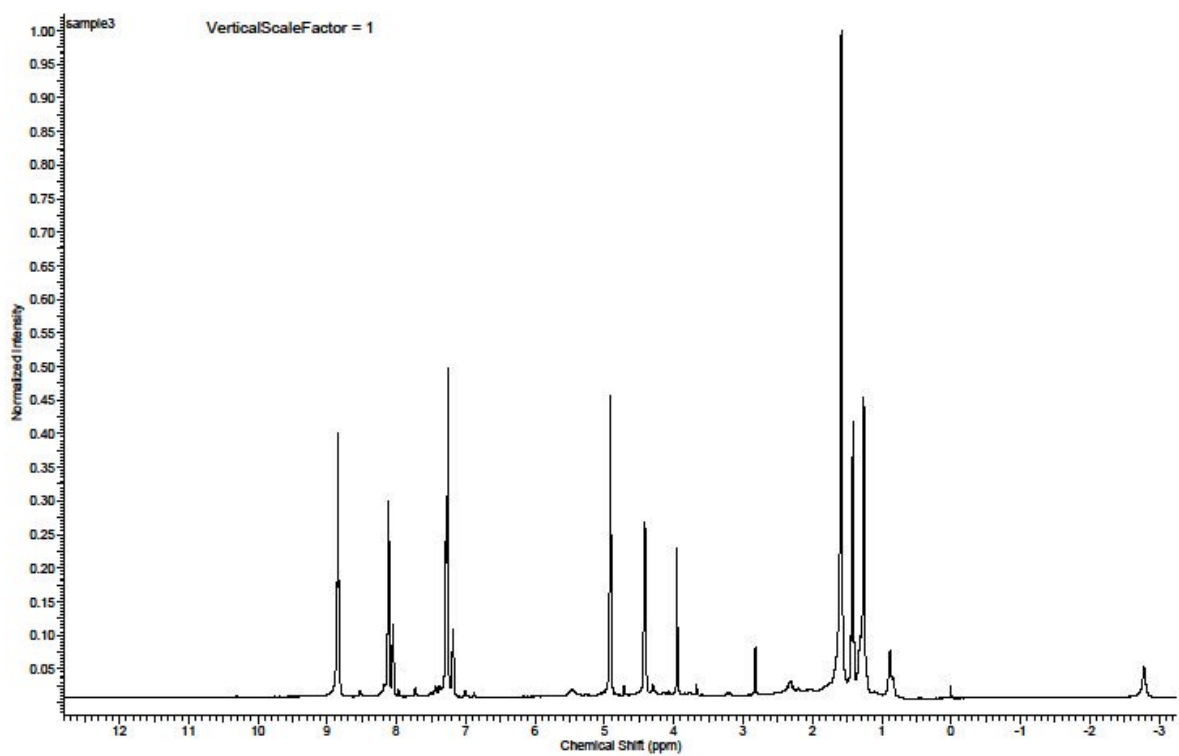
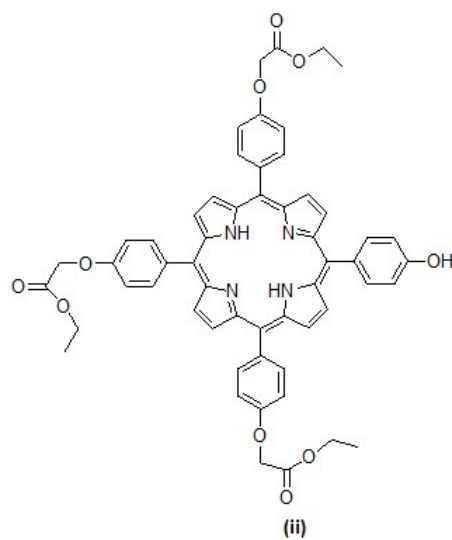
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S. No.	Contents	Page No.
S1.	^{13}C -NMR spectrum 4-carboethoxymethyleneoxybenzaldehyde (i)	3
S2.	^1H -NMR of compound (ii)	4
S3.	ESI-MS of compound (ii)	5
S4.	ESI-MS of compound (iii)	6

S5.	¹ H-NMR of compound (iii)	7
S6.	ESI-MS of compound (iv)	8
S7.	ESI-MS of compound (v)	9
S8.	ESI-MS of compound (vi)	10
S9	ESI-MS of compound (vii)	11
S10.	Serum stability profile of ^{99m} Tc-Porphyrin-HYNIC complex	12
S11.	UV-Vis profile of compound (ii)	13



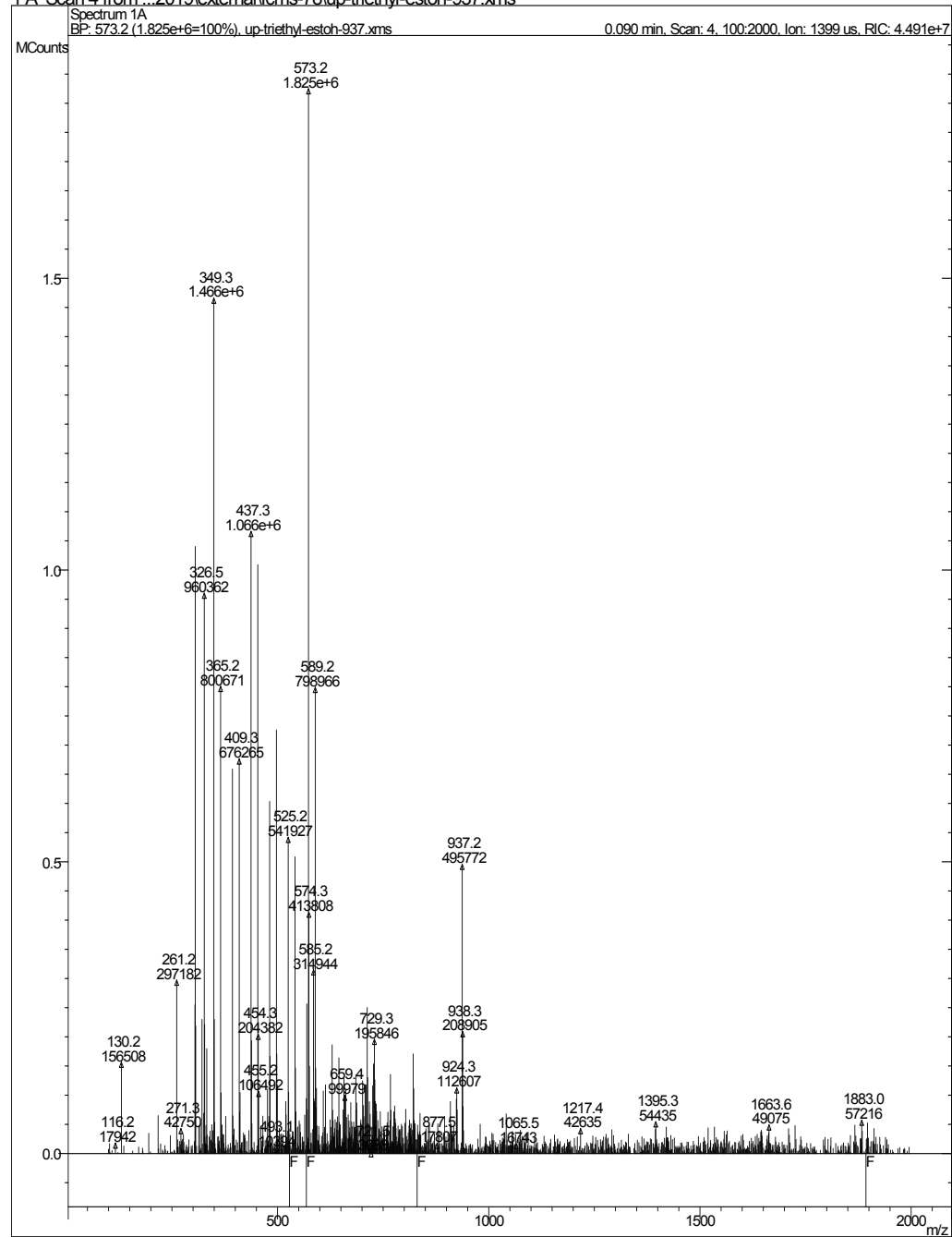
S1. ^{13}C -NMR spectrum of compound (i)



S2. ^1H -NMR spectrum of compound **(ii)**

Spectrum Plot - 3/6/2018 4:33 PM

1 A Scan 4 from ...2019\external\cms-78\up-triethyl-estoh-937.xms

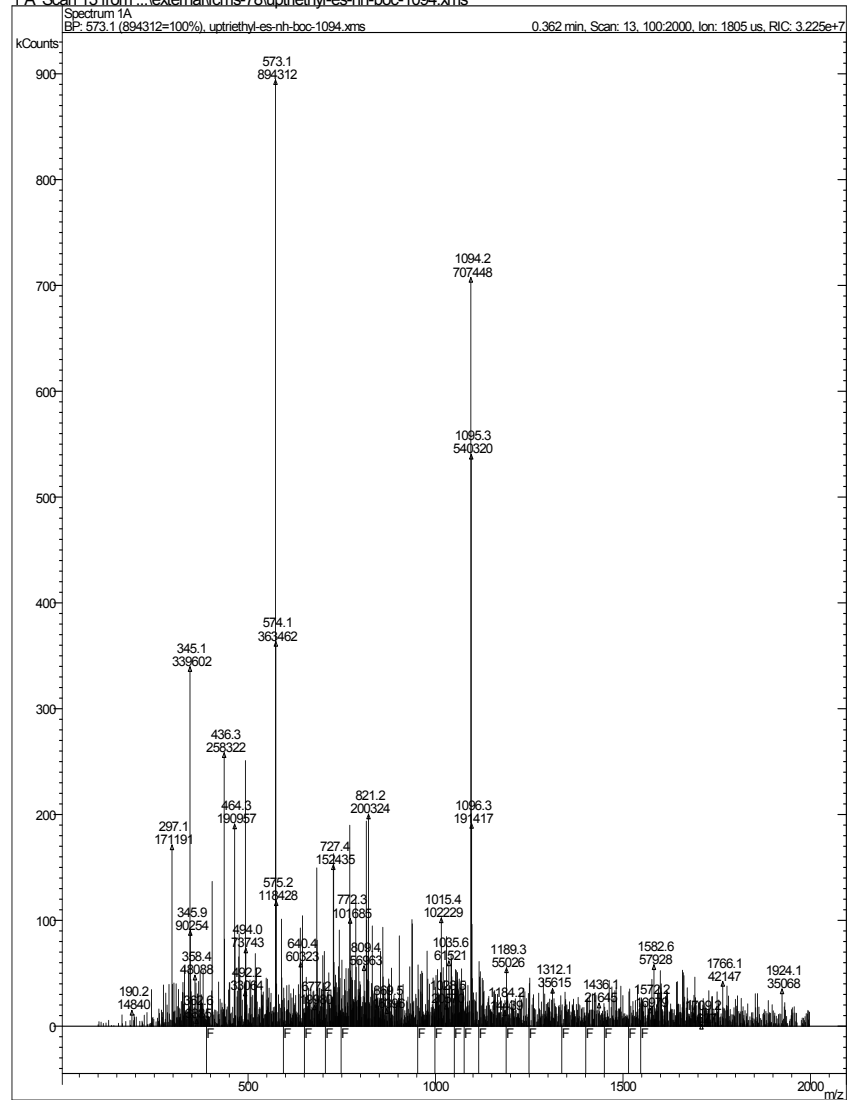


S3. ESI-MS of compound (ii)

ESI-MS (m/z): (calc.) $C_{56}H_{48}O_{10}N_4$ 936.34; (obs.) (M+1) 937.25

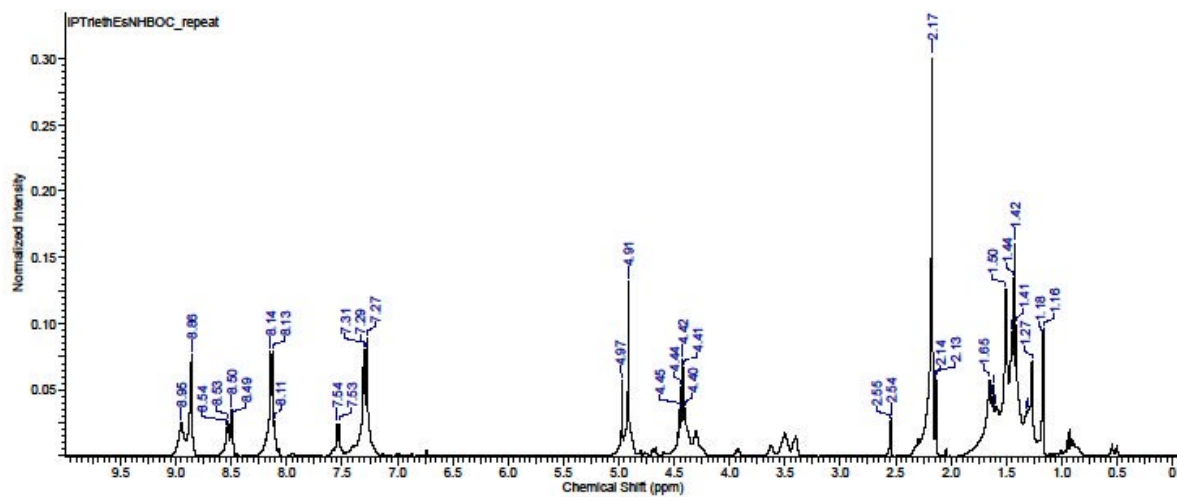
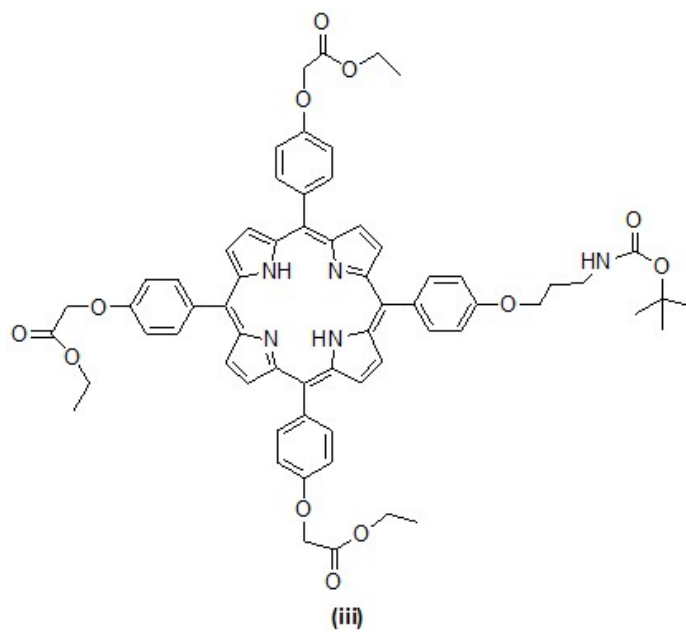
Spectrum Plot - 3/6/2018 12:46 PM

1 A Scan 13 from ...external\cms-78\uptriethyl-es-nh-boc-1094.xms

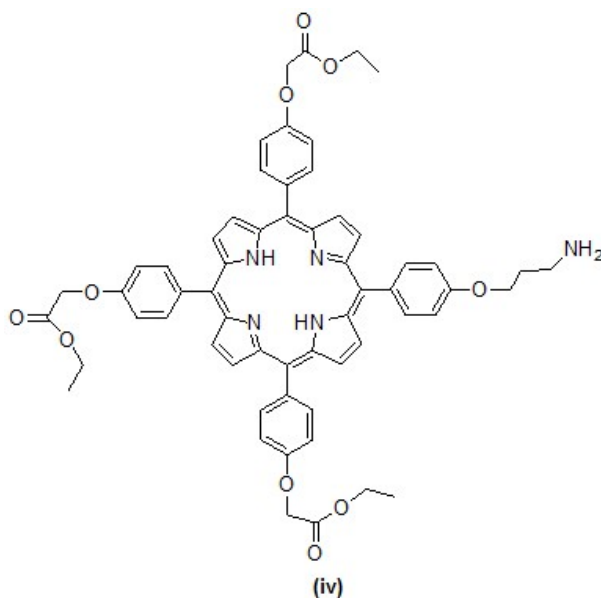


S4. ESI-MS of compound (iii)

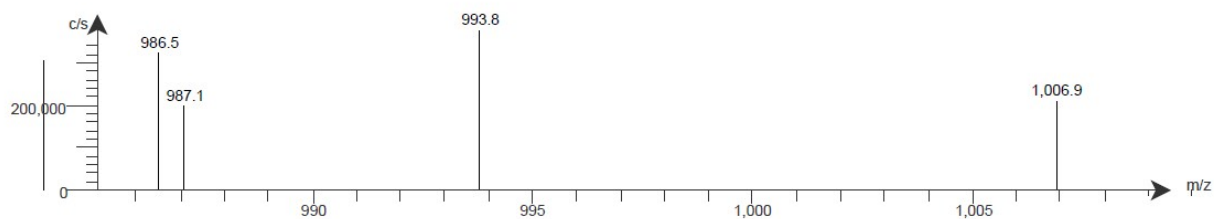
ESI-MS (m/z): (calc.) $C_{64}H_{63}O_{12}N_5$ 1094.2; (obs.) [M] 1094.2



S5. ¹H-NMR of compound (iii)

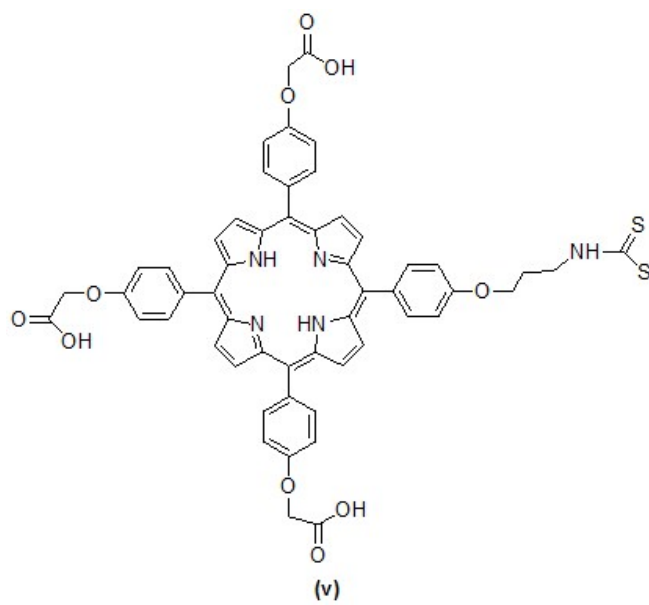


Spectrum RT 0.20 - 0.59 {10 scans}
 UPTRI_eth_ES-NH2_Is2 2018.08.01 15:09:05 ;
 ESI -

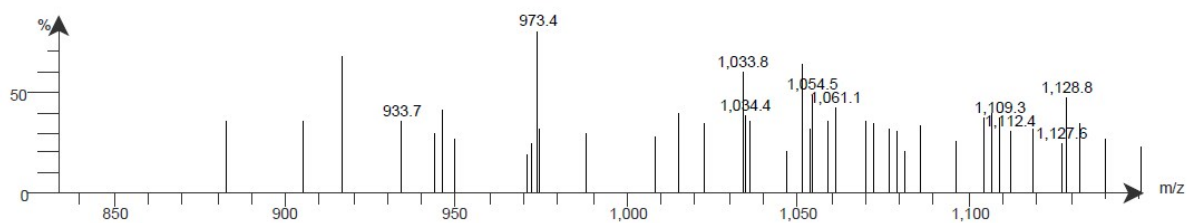


S6. ESI-MS of compound (iv)

ESI-MS (m/z): (calc.) C₅₉H₅₅O₁₀N₅ 994.10; (obs.) [M] 993.8.

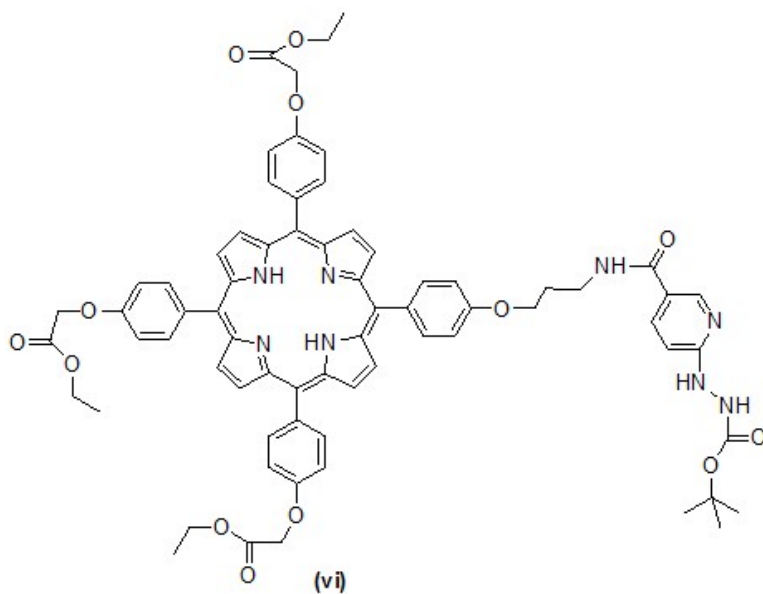


Spectrum RT 0.16 - 0.47 {10 scans}
 UPTRIA-DTC: is2 2018.08.01 14:20:59 ;
 Intensity ESI - Max: 8.1E5

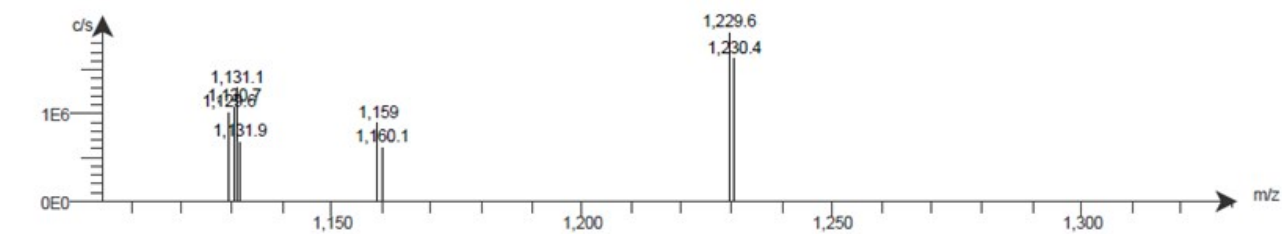


S7. ESI-MS of compound (v)

ESI-MS (m/z): (calc.) $C_{54}H_{42}O_{10}N_5S_2$ 985.0; (obs.) [M-S-2H+Na] 973.4

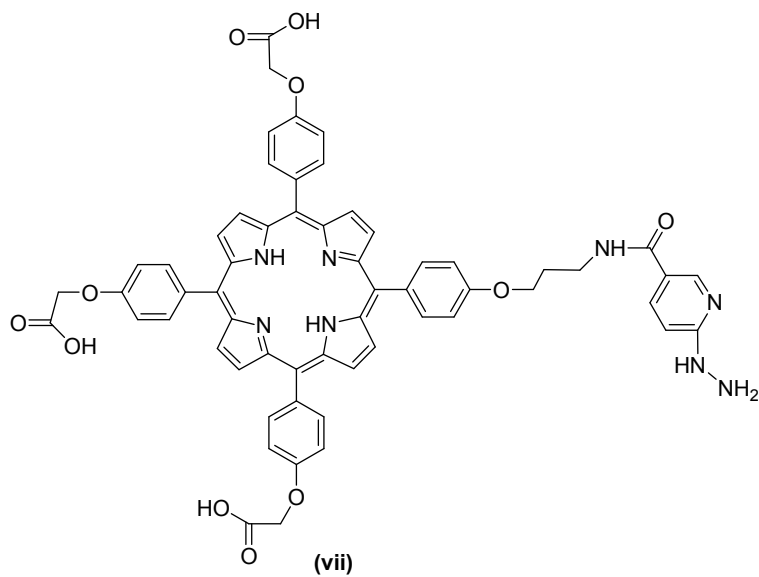


Spectrum RT 0.05 - 0.53 (10 scans)
 UPTRIES-propyl-HYNIC_BOC_is1 2018.08.01 14:36:59 ;
 ESI +

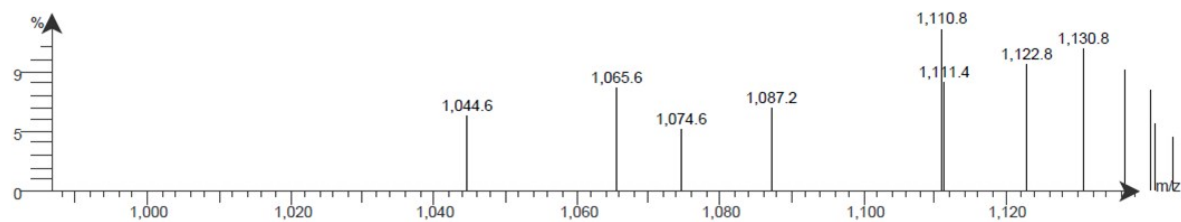


S8. ESI-MS of compound (vi)

ESI-MS (m/z): (calc.) C₇₀H₆₈O₁₃N₈ 1229.3; (obs.) [M] 1229.6

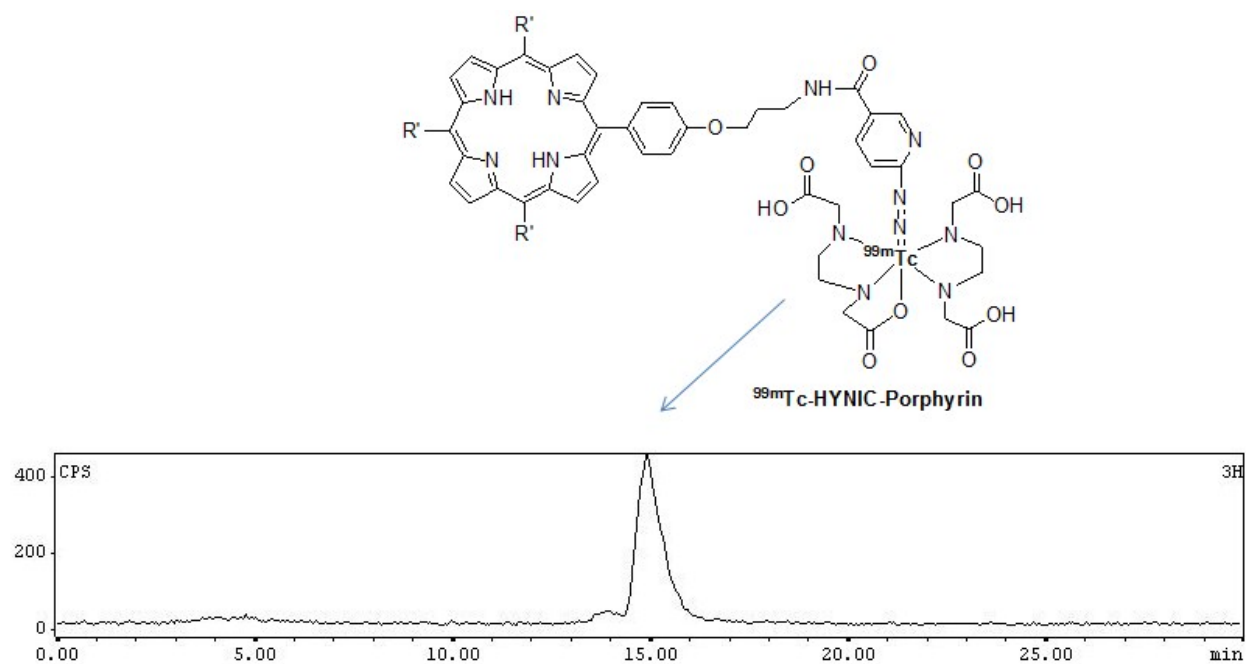


Spectrum RT 0.19 - 0.35 (4 scans)
 UPTRIA-propyl-HYNIC_js2 2018.08.01 14:45:09 ;
 ESI - Max: 1.4E6

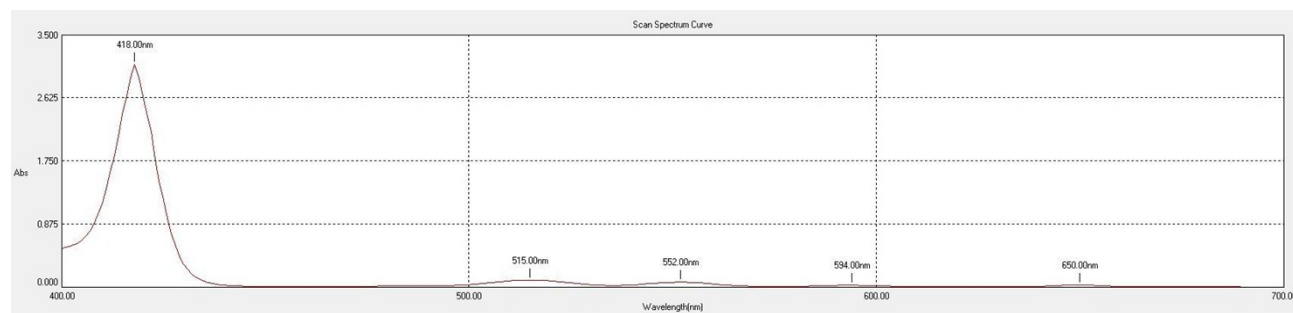


S9. ESI-MS of compound (vii)

ESI-MS (m/z): (calc.) C₅₉H₄₈O₁₁N₈ 1045.0; (obs.) [M] 1044.6



S10. Serum stability profile of ^{99m}Tc -HYNIC-Porphyrin complex



S11. UV-Vis profile of compound (ii)