Supplementary Material

Figure 6. Light emission profiles of theophylline conjugate **2a** in the absence and in the presence of various surfactants.

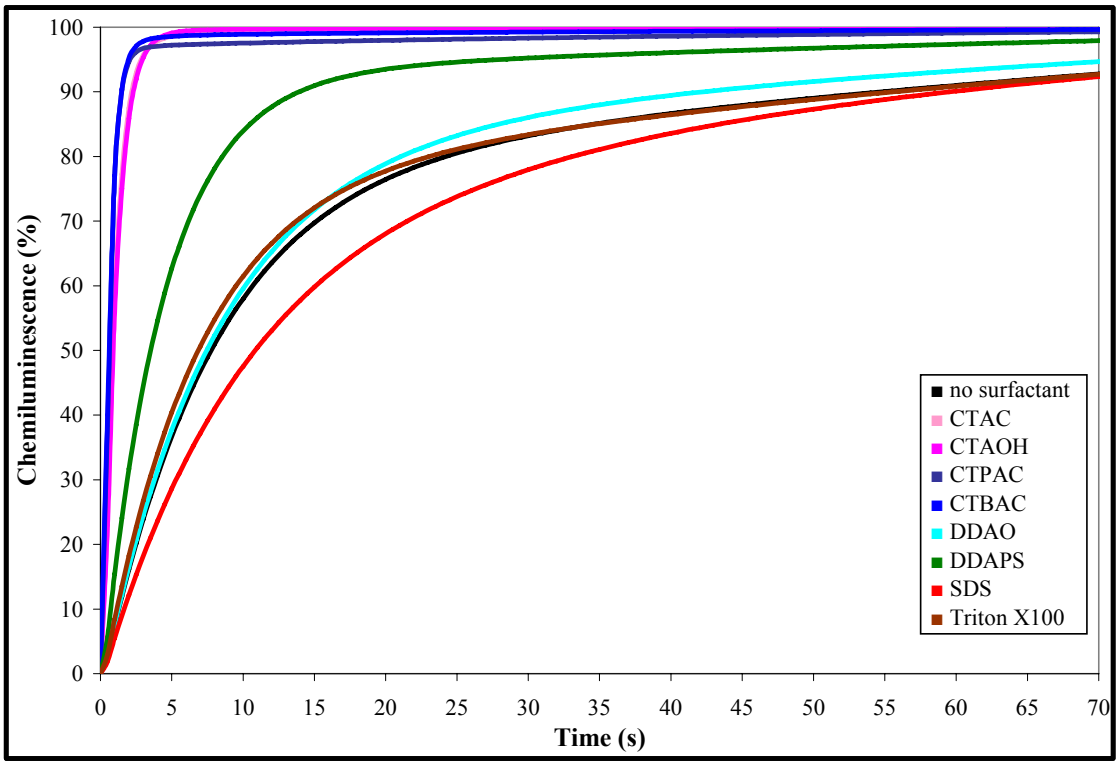

Figure 7. Light emission profiles of theophylline conjugate **2b** in the absence and in the presence of various surfactants.

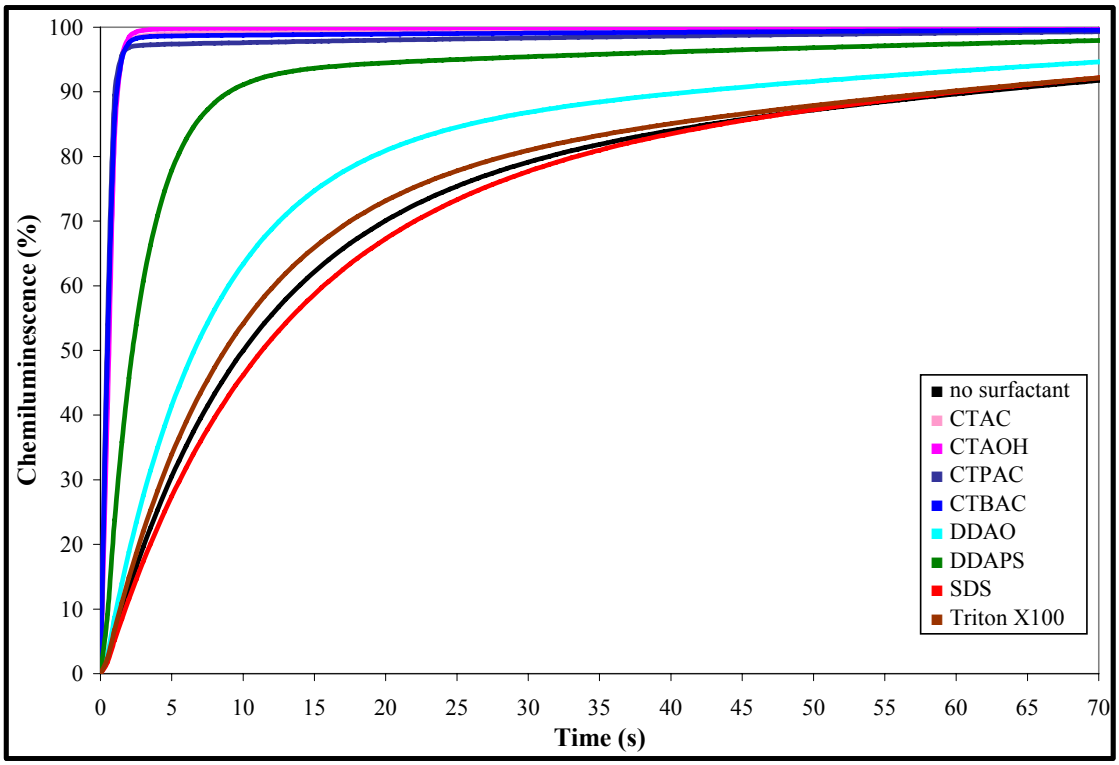

Figure 8. Light emission profiles of anti-TSH antibody conjugate of **3a** in the absence and in the presence of various surfactants.

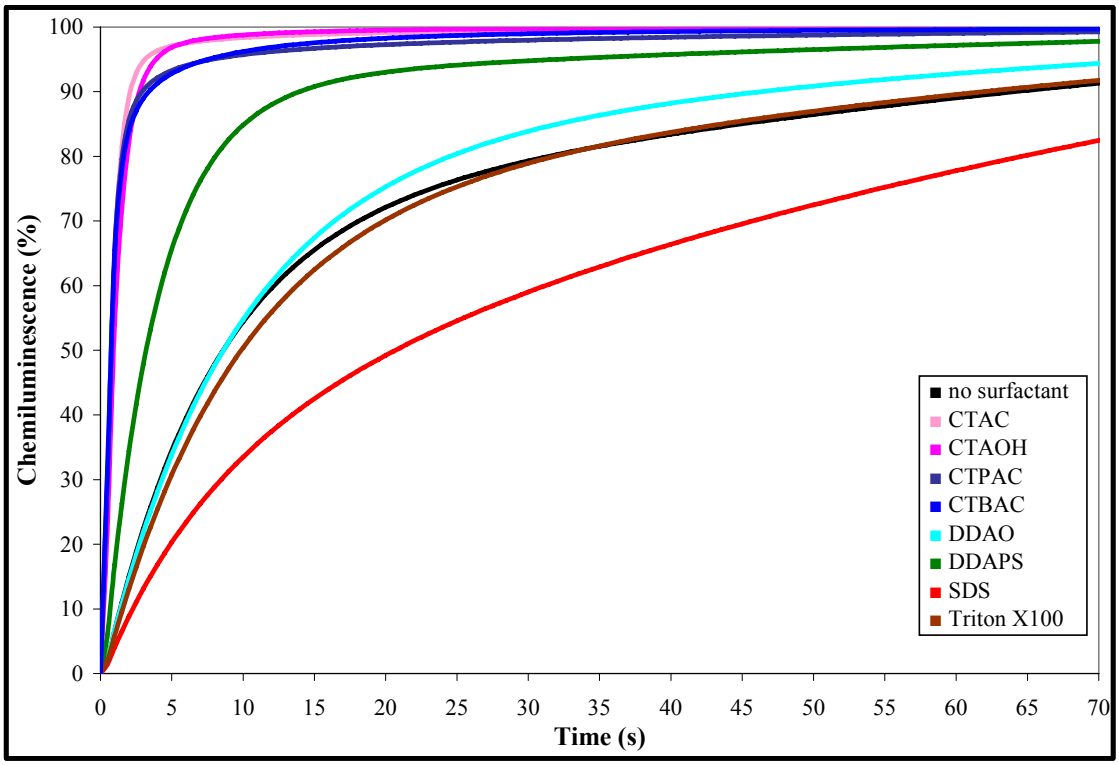

Figure 9. Light emission profiles of anti-HBsAg antibody conjugate of **3a** in the absence and in the presence of various surfactants.

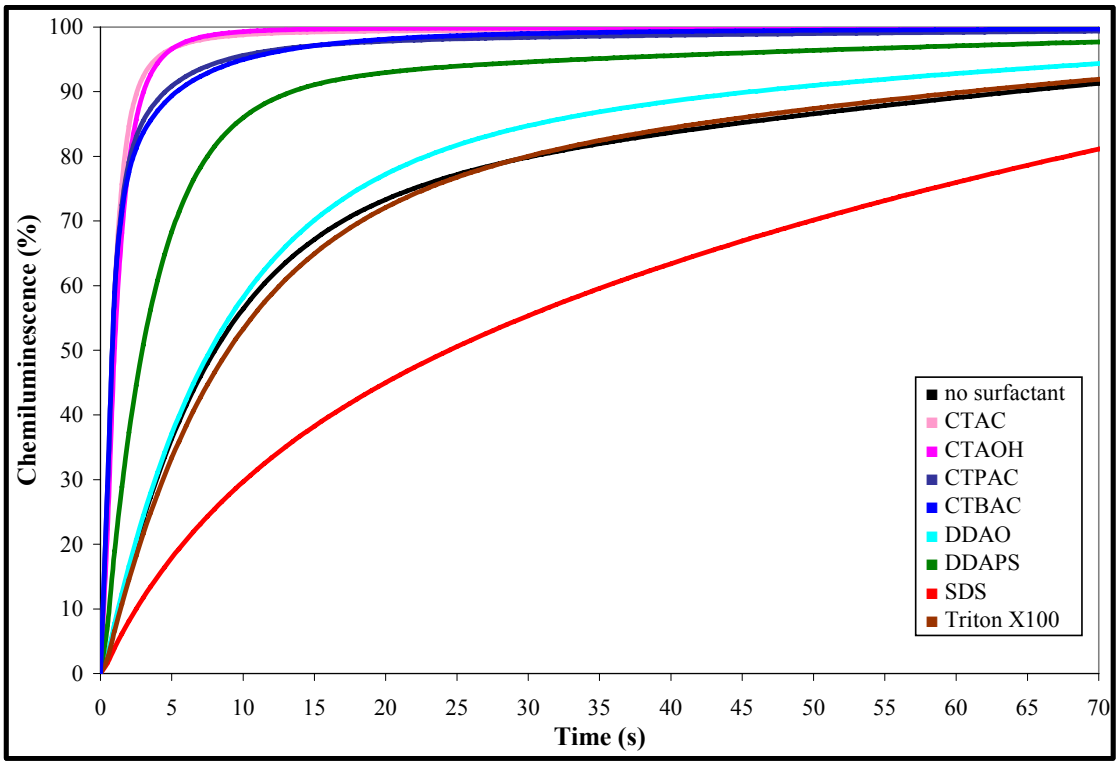

Figure 10. Light emission profiles of avidin conjugate of **3a** in the absence and in the presence of various surfactants.

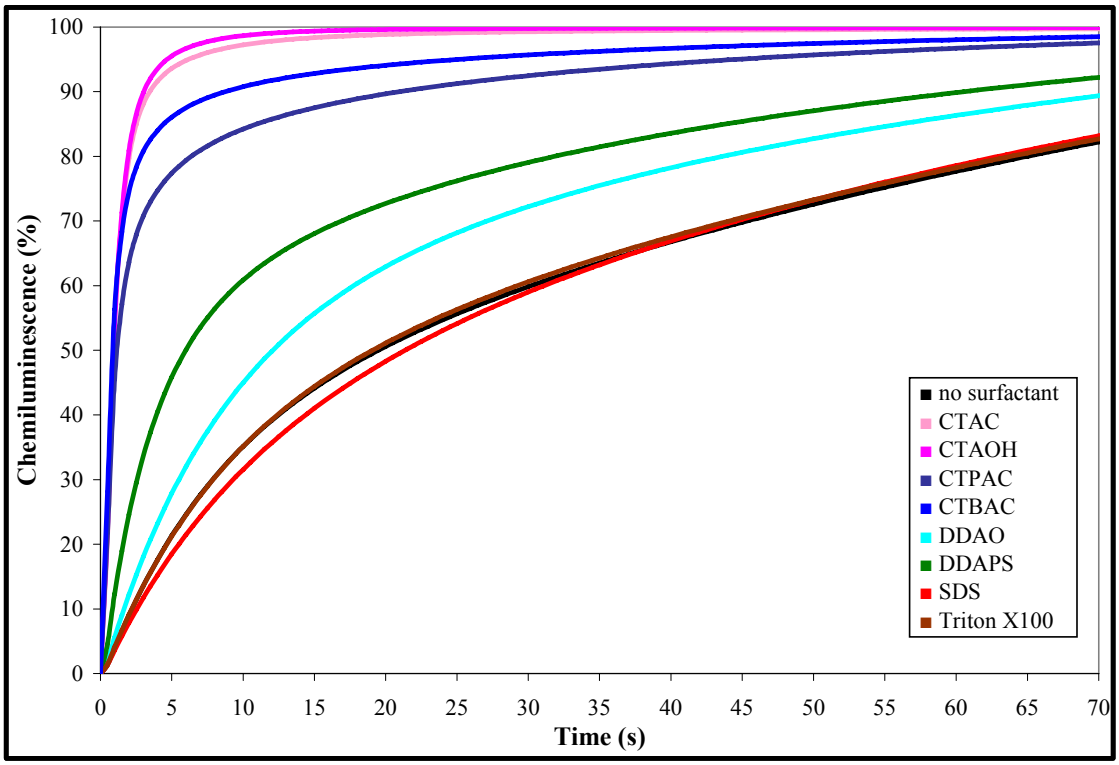

Figure 11. Light emission profiles of anti-TSH antibody conjugate of **3b** in the absence and in the presence of various surfactants.

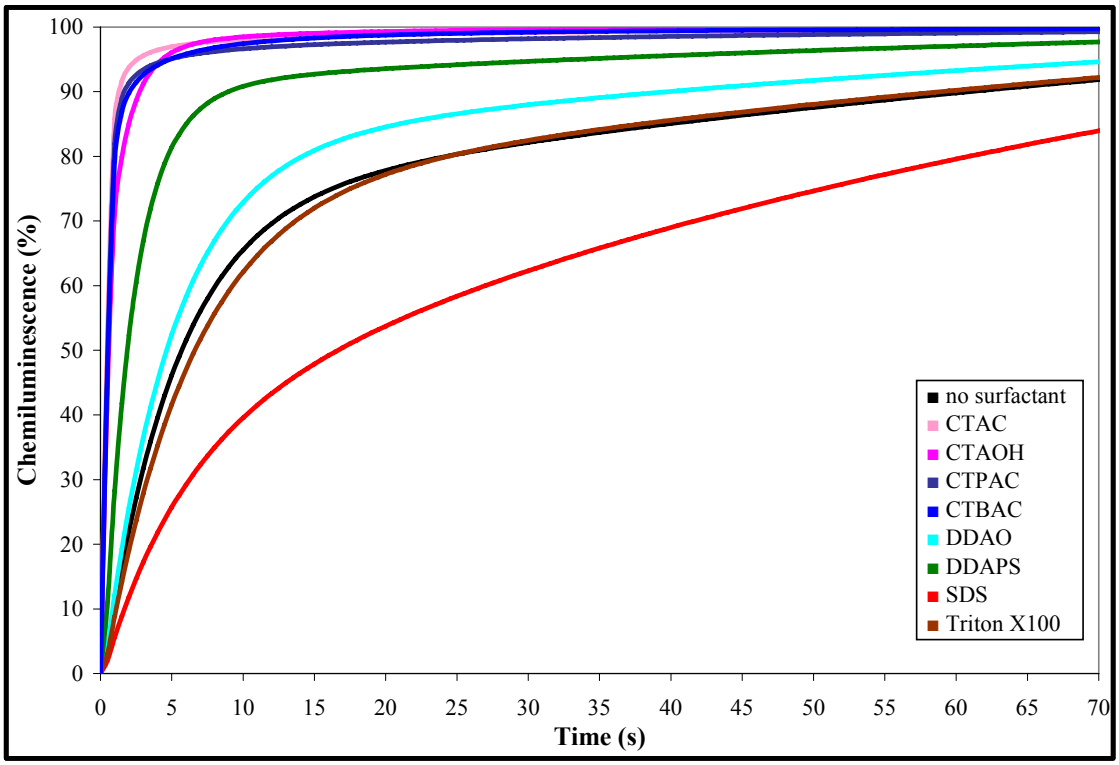

Figure 12. Light emission profiles of anti-HBsAg antibody conjugate of **3b** in the absence and in the presence of various surfactants.

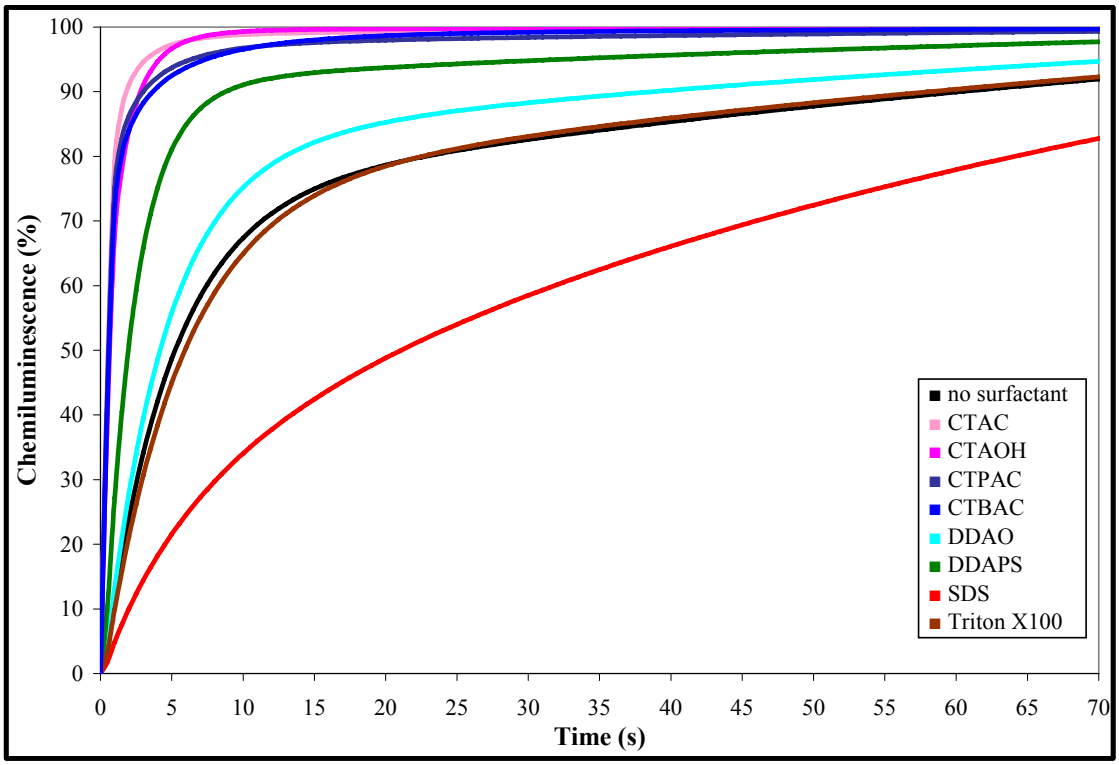

Figure 13. Light emission profiles of avidin conjugate of **3b** in the absence and in the presence of various surfactants.

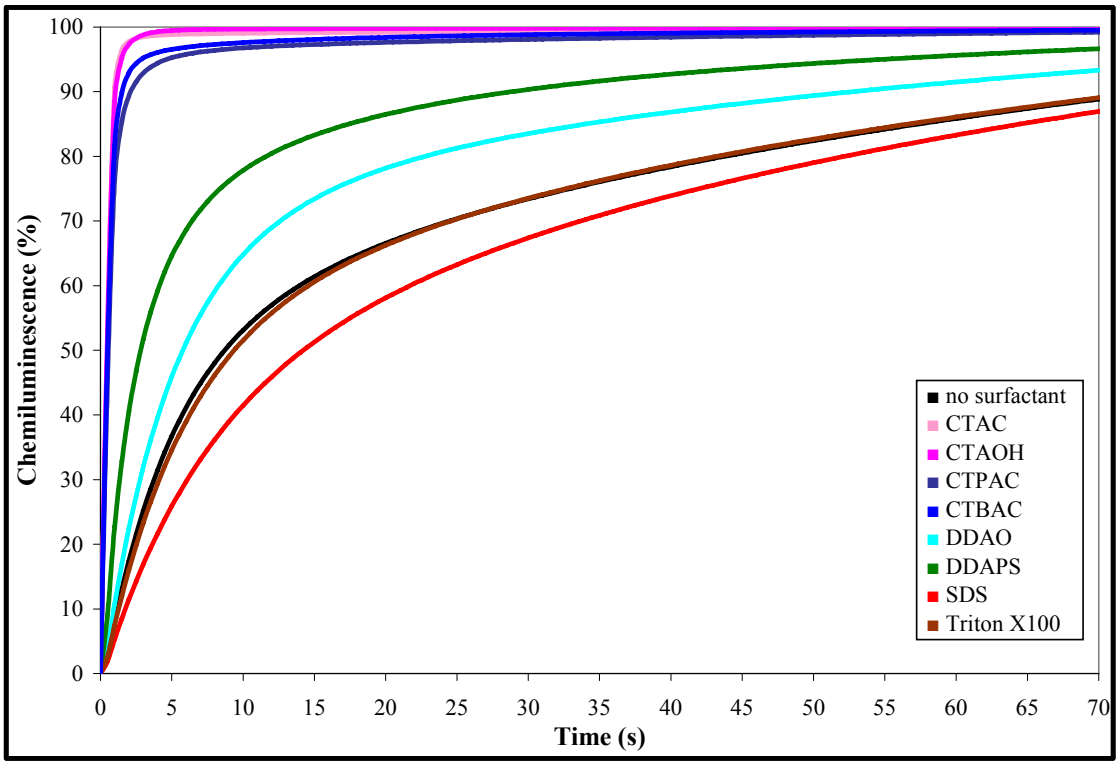

Figure 14. ^{1}H-NMR (500 MHz, $CDCl_3$) of compound **ii**

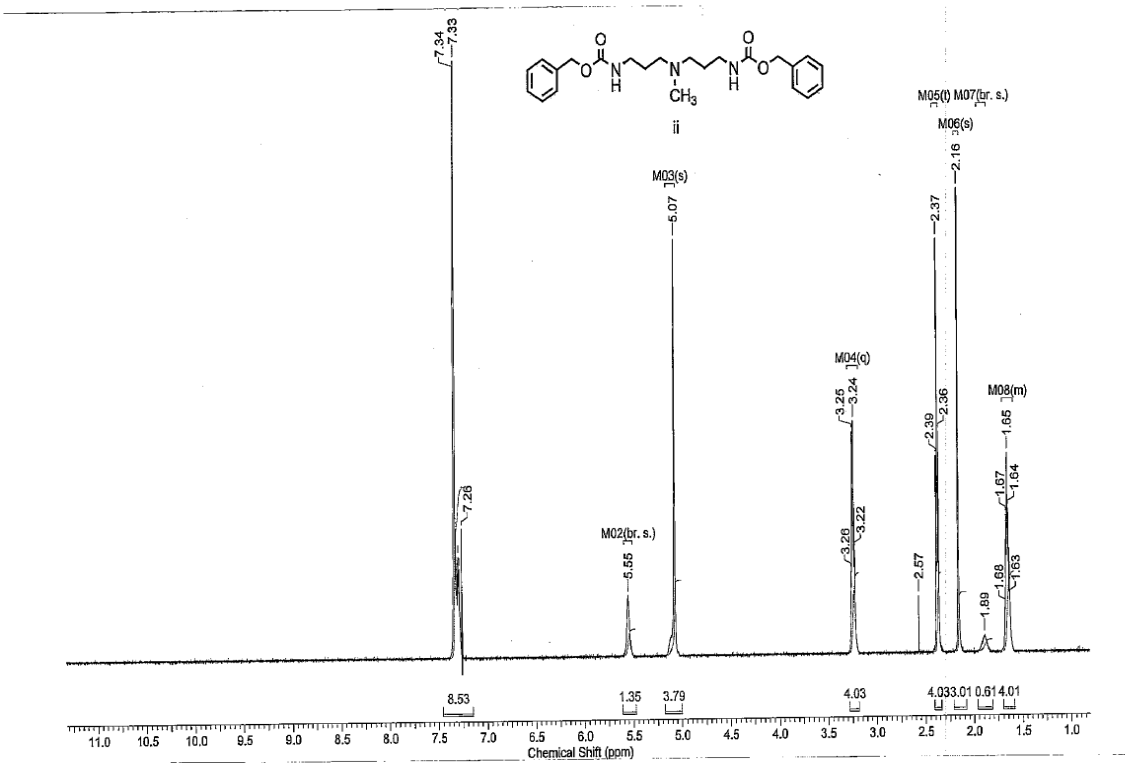

Figure 15. ^{1}H-NMR (500 MHz, CD_3OD) of compound **iii**

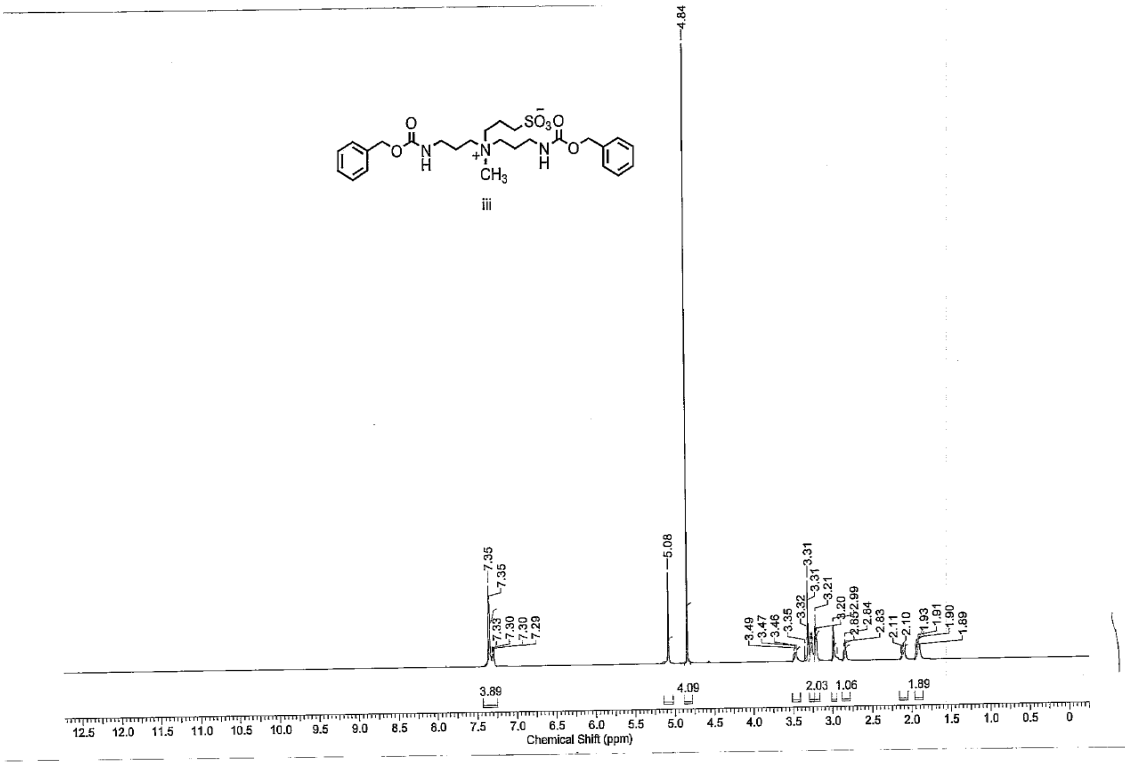

Figure 16. ^{1}H-NMR (500 MHz, CF_3COOD) of compound **iv**

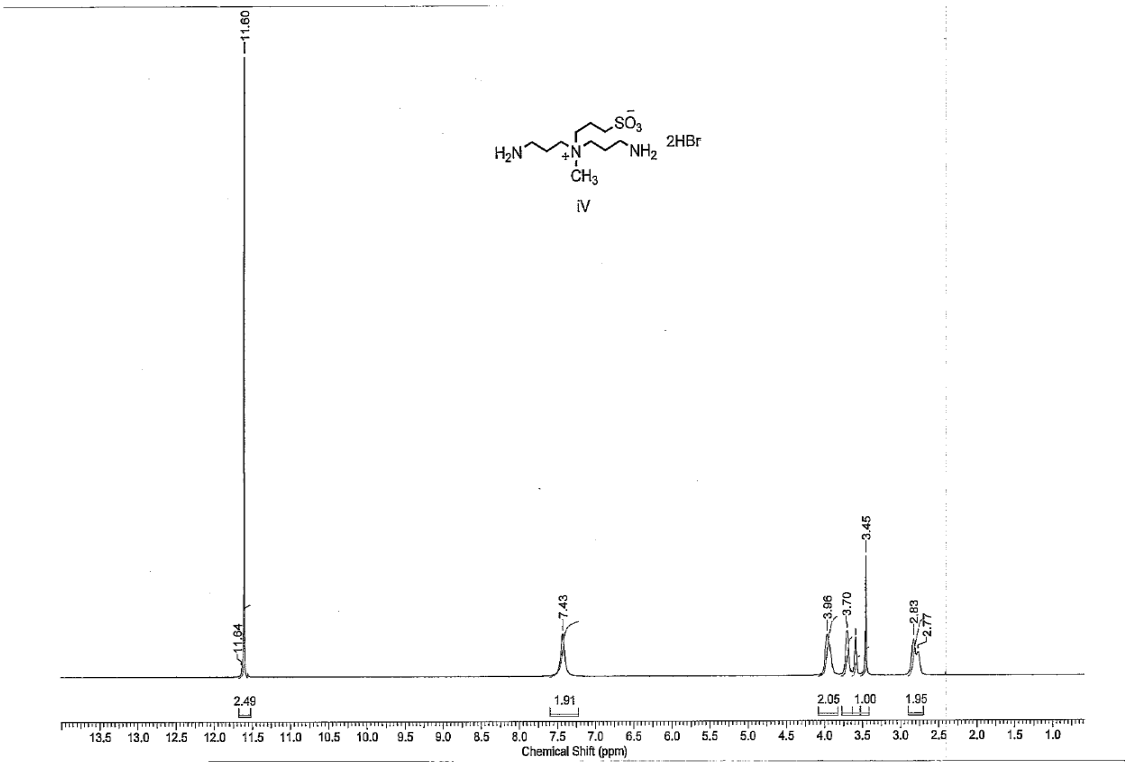

Figure 17. HPLC chromatogram of compound **1a**

(HPLC conditions: 10 micron, C_{18} 3.9 mm x 25 cm column and a 40 minute gradient of 10 → 60% B (A = water with 0.05% TFA, B = MeCN with 0.05% TFA) at a flow rate of 1.0 mL/minute and UV detection at 260 nm)

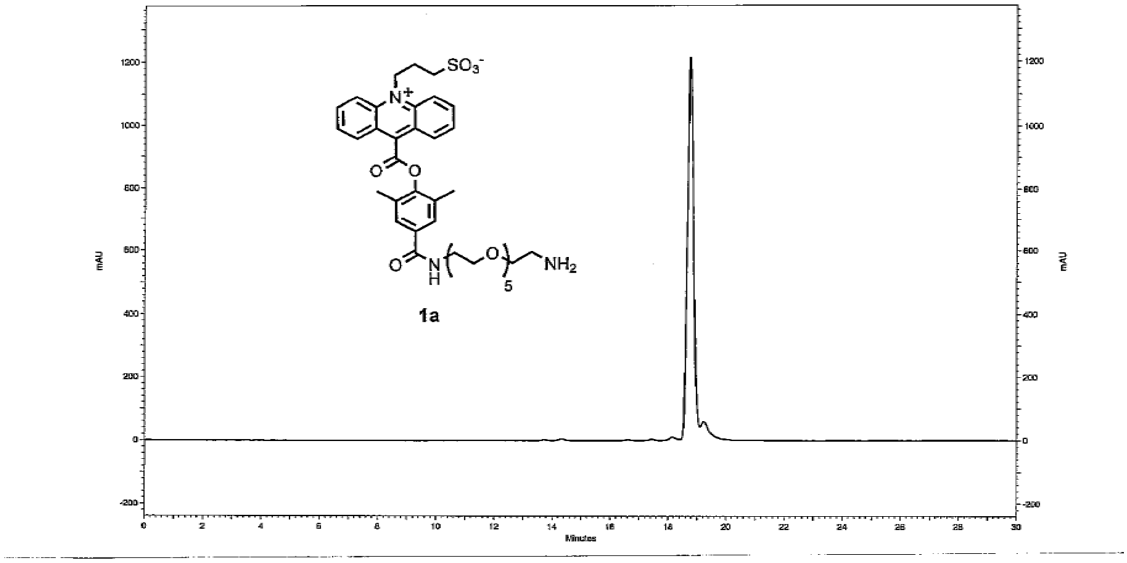

Figure 18. HPLC chromatogram of compound **2a**

(HPLC conditions: 10 micron, C_{18} 3.9 mm x 25 cm column and a 40 minute gradient of 10 → 40% B (A = water with 0.05% TFA, B = MeCN with 0.05% TFA) at a flow rate of 1.0 mL/minute and UV detection at 260 nm)

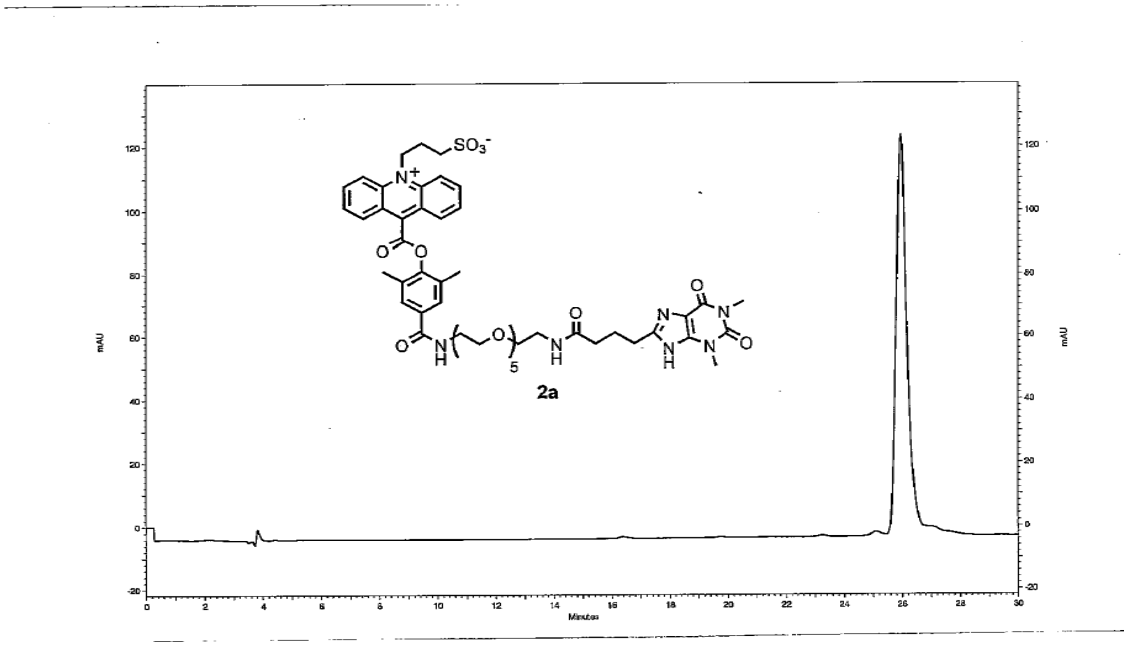

Figure 19. HPLC chromatogram of compound **3a**

(HPLC conditions: 10 micron, C_{18} 3.9 mm x 25 cm column and a 30 minute gradient of 10 → 35% B (A = water with 0.05% TFA, B = MeCN with 0.05% TFA) at a flow rate of 1.0 mL/minute and UV detection at 260 nm)

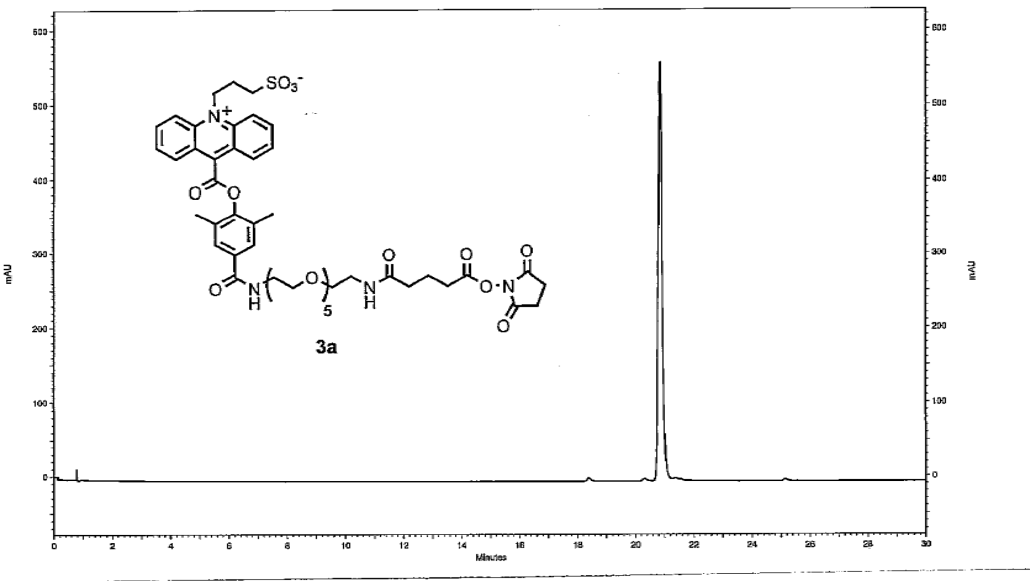

Figure 20. HPLC chromatogram of compound **1b**

(HPLC conditions: 10 micron, C_{18} 3.9 mm x 25 cm column and a 30 minute gradient of 10 → 90% B (A = water with 0.05% TFA, B = MeCN with 0.05% TFA) at a flow rate of 1.0 mL/minute and UV detection at 260 nm)

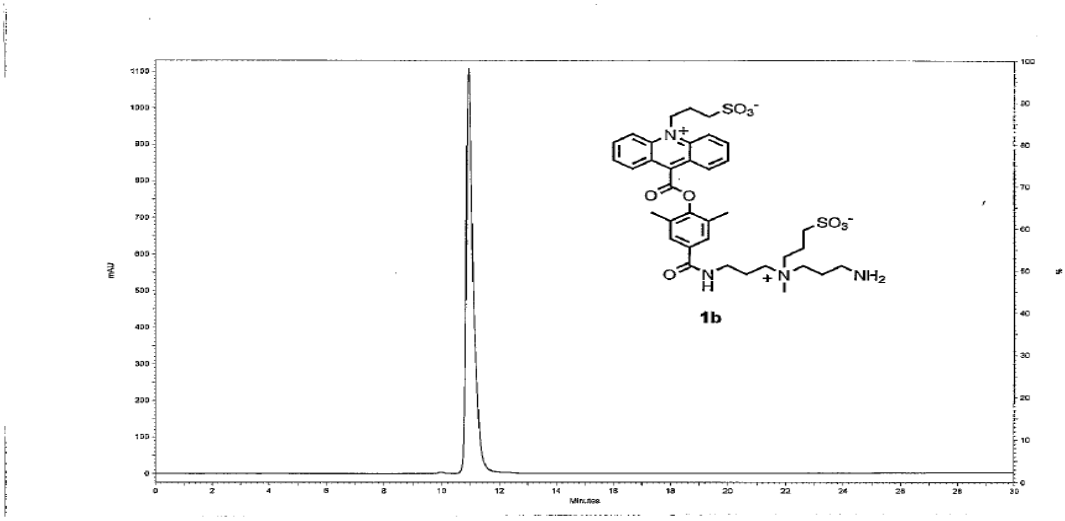

Figure 21. HPLC chromatogram of compound **2b**

(HPLC conditions: 10 micron, C_{18} 3.9 mm x 25 cm column and a 40 minute gradient of 10 → 40% B (A = water with 0.05% TFA, B = MeCN with 0.05% TFA) at a flow rate of 1.0 mL/minute and UV detection at 260 nm)

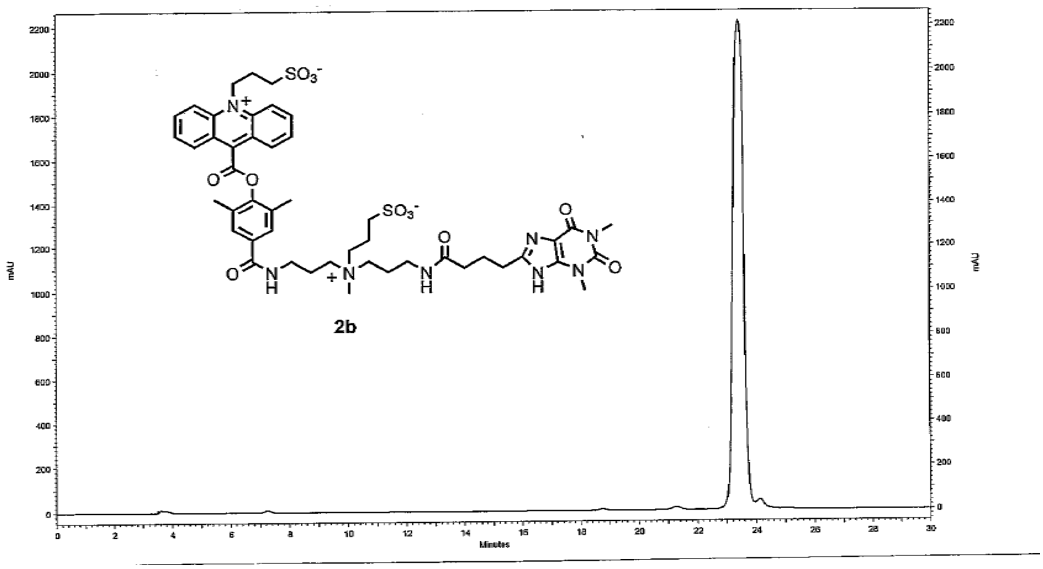

Figure 22. HPLC chromatogram of compound **3b**

(HPLC conditions: 10 micron, C_{18} 3.9 mm x 25 cm column and a 40 minute gradient of 10 → 40% B (A = water with 0.05% TFA, B = MeCN with 0.05% TFA) at a flow rate of 1.0 mL/minute and UV detection at 260 nm)