

Anticancer and Biological Properties of New Axially Disubstituted Silicon Phthalocyanines

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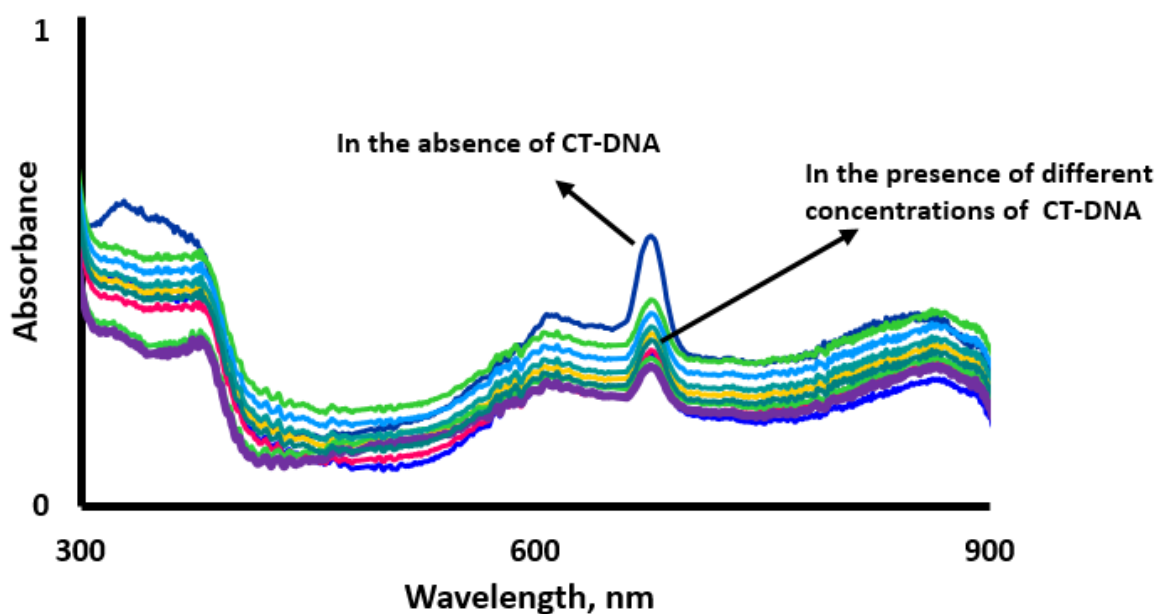
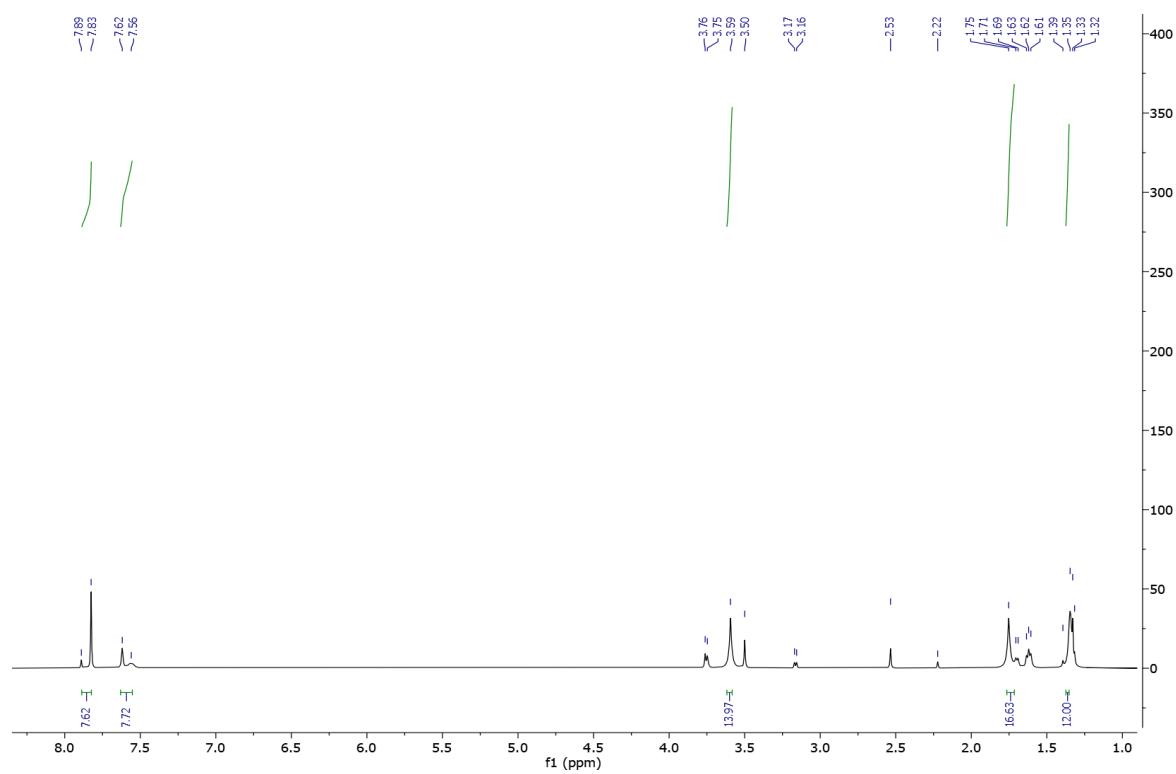
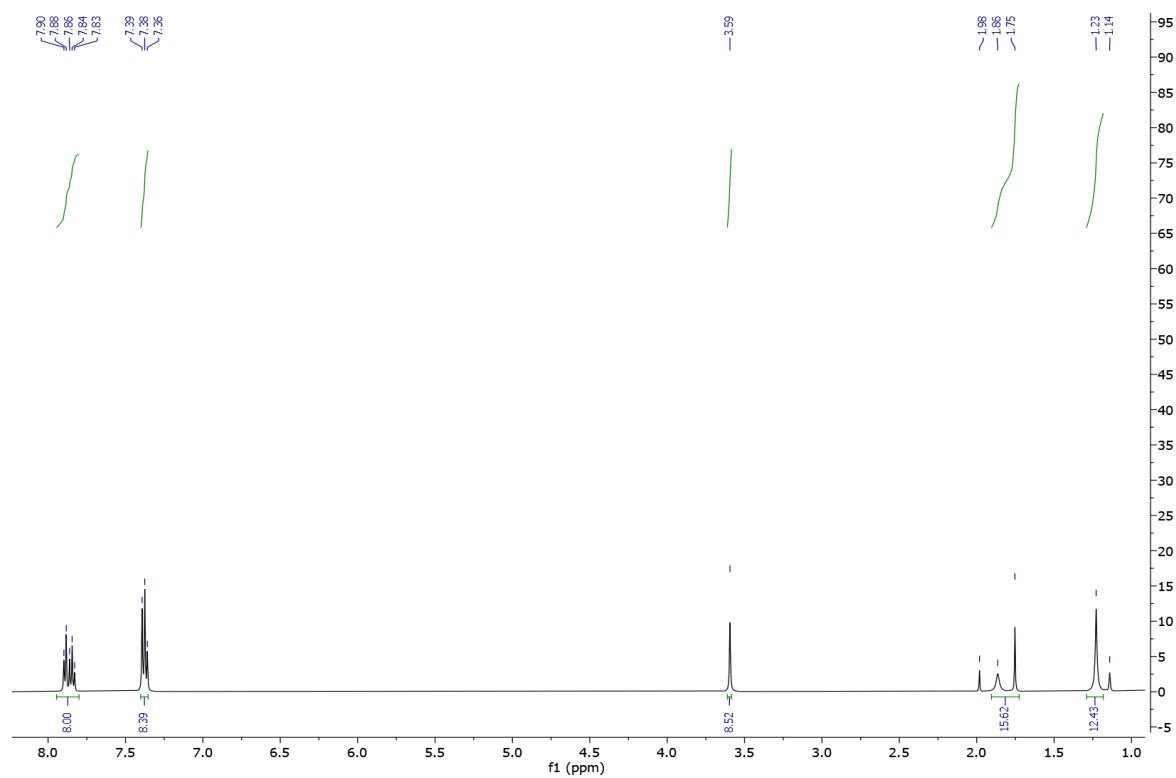


Figure S1. The UV-vis spectra of compound 1-QSi in the absence and presence of different concentrations of CT-DNA (0.25-2 mg/mL).

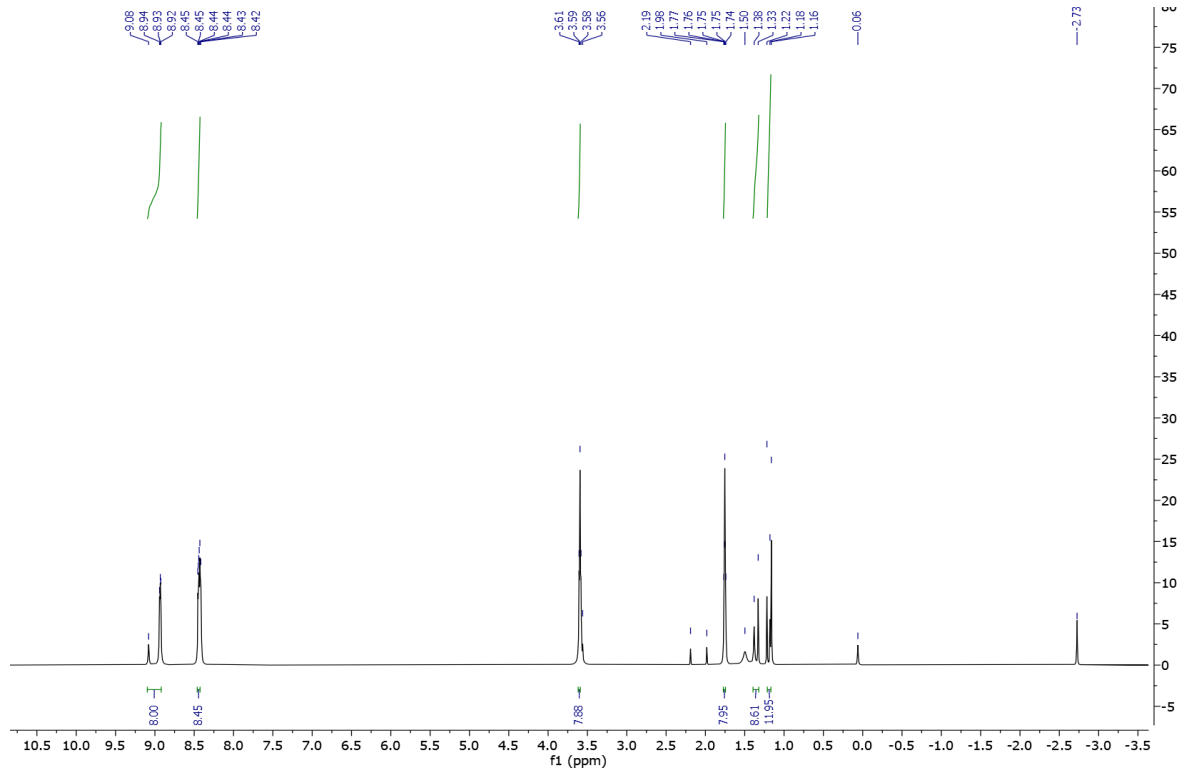
¹H NMR Spectrum of Compound 1-Si



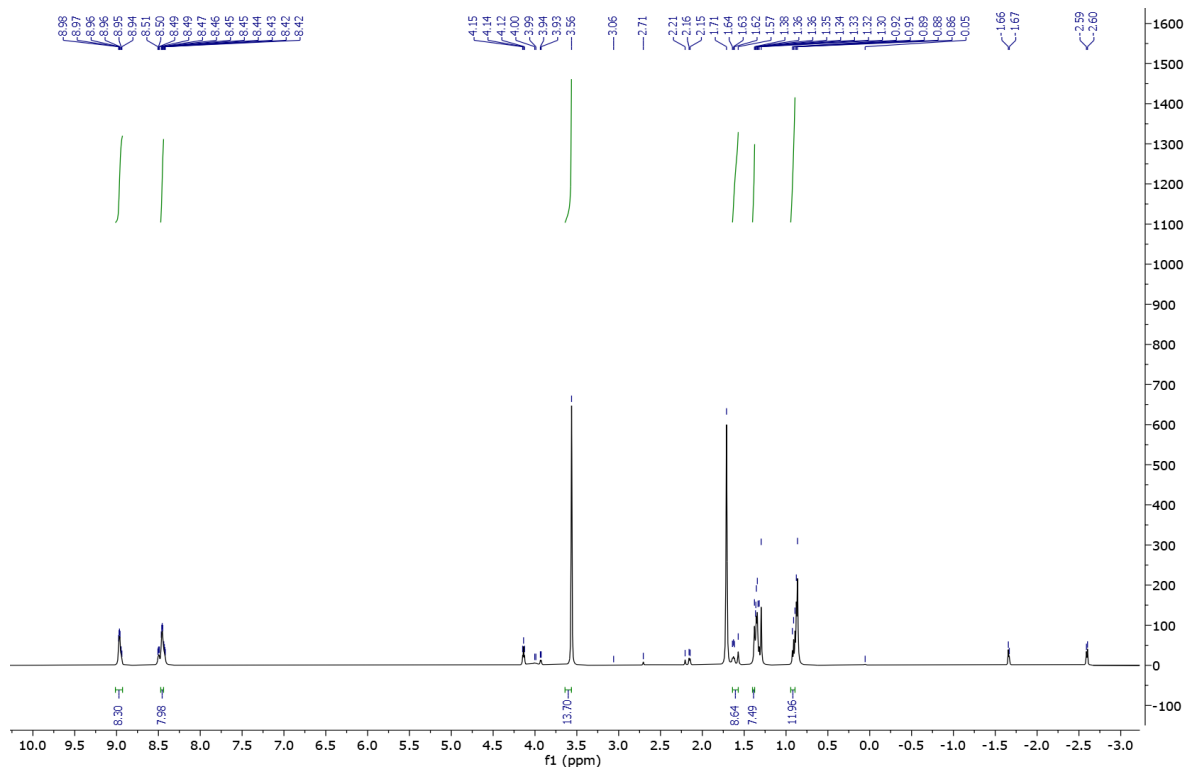
¹H NMR Spectrum of Compound 1-QSi



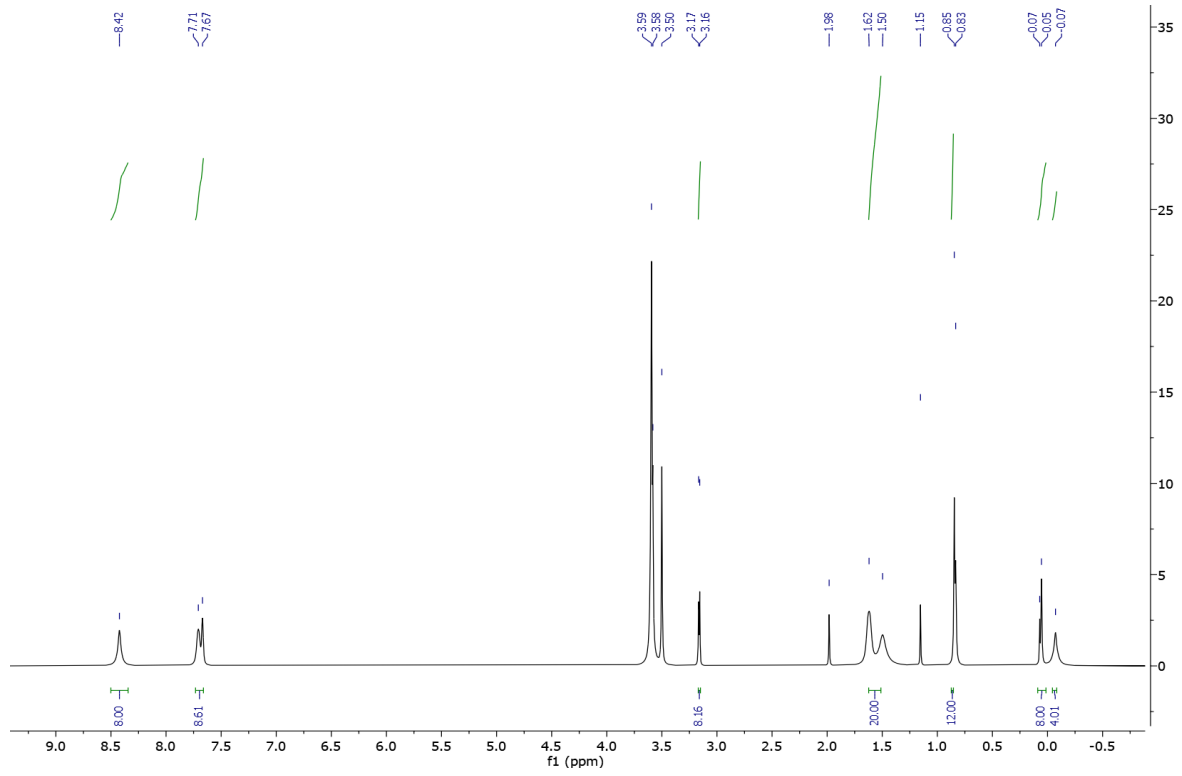
¹H NMR Spectrum of Compound 2-Si



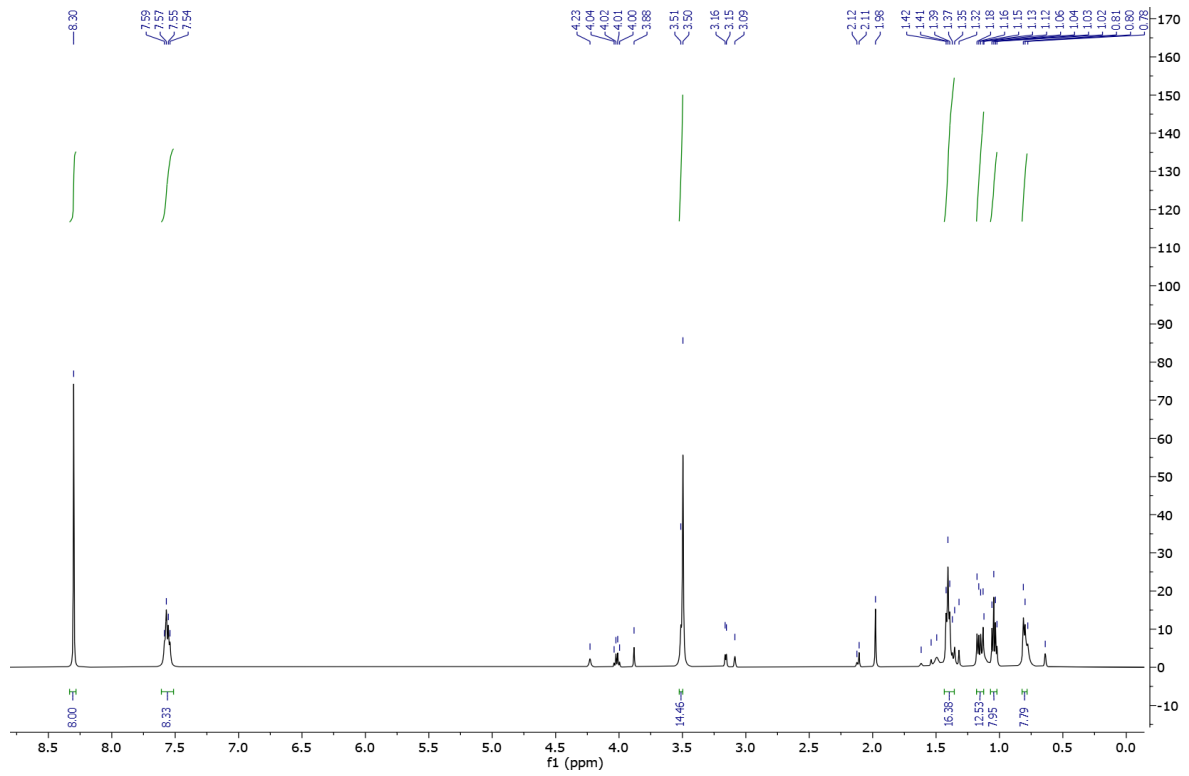
¹H NMR Spectrum of Compound 2-QSi



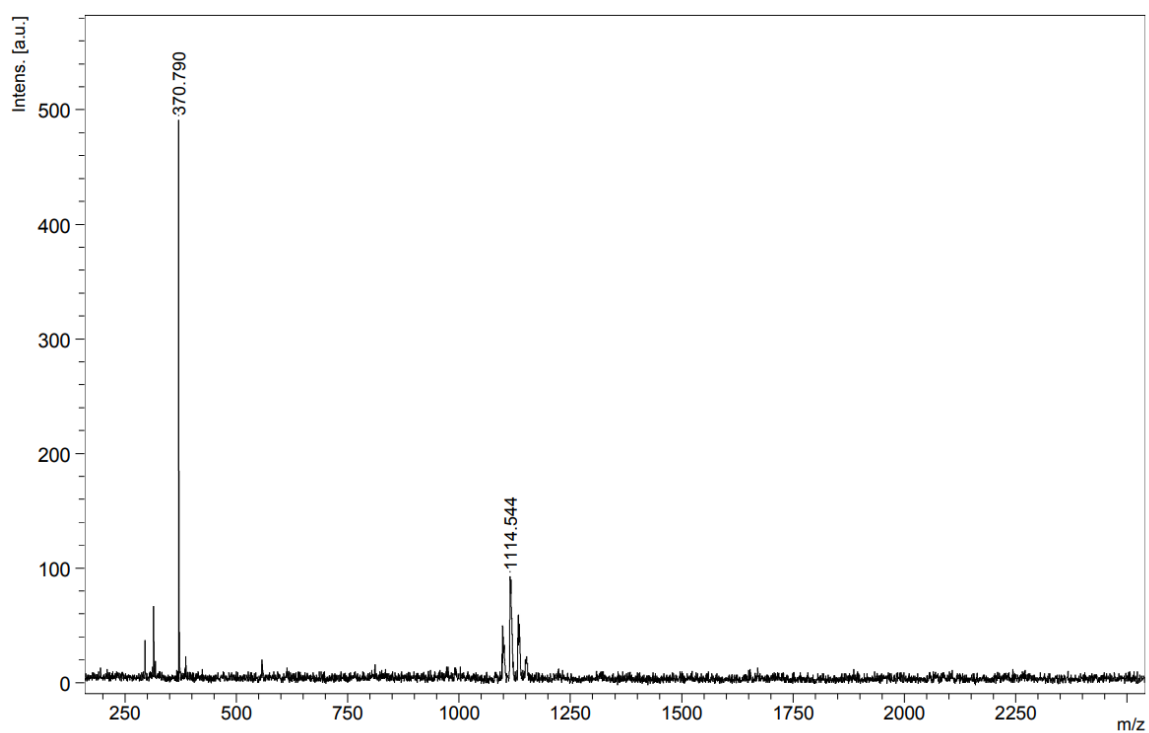
¹H NMR Spectrum of Compound 3-Si



¹H NMR Spectrum of Compound 3-QSi

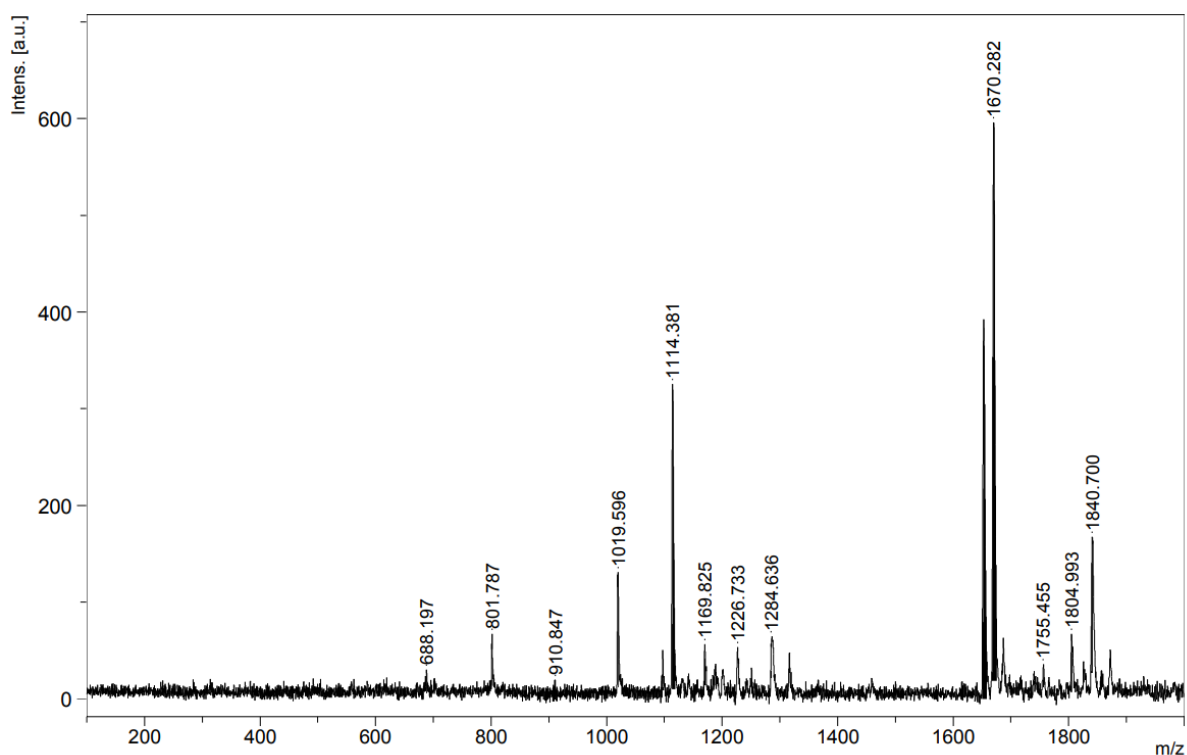


Mass Spectrum of Compound 1-QSi



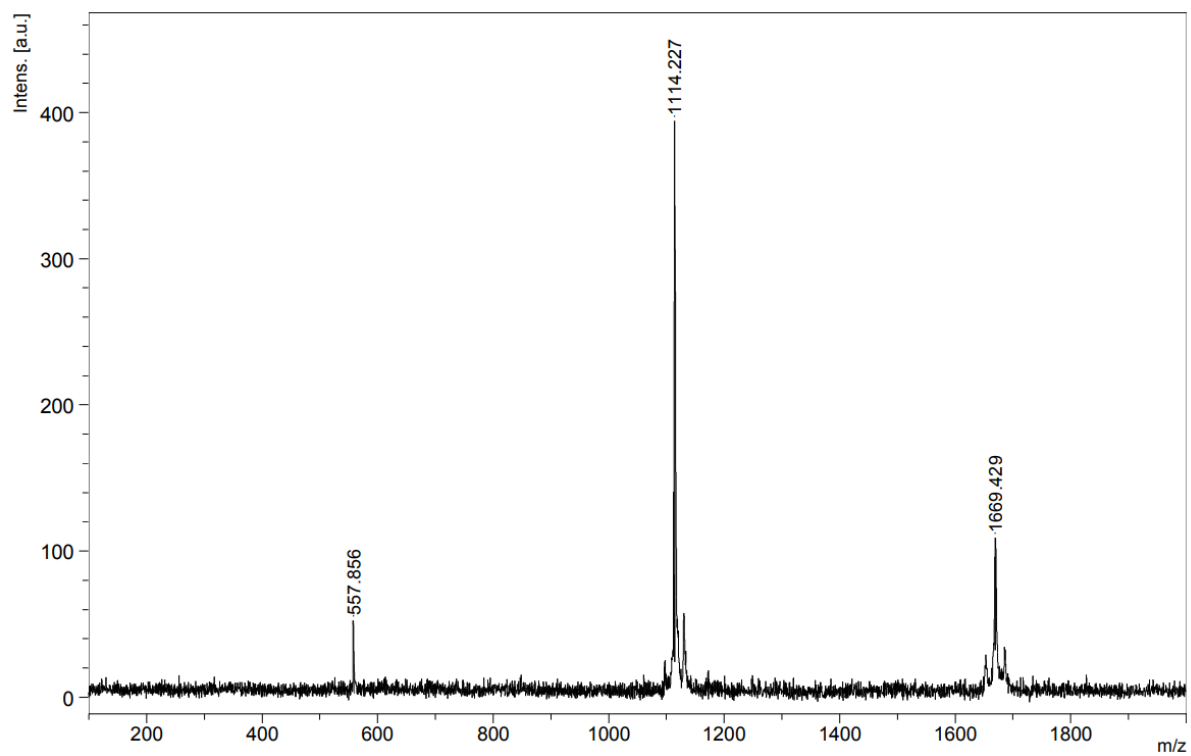
370.790 $[M+Na+3H]^{3+}$, 1098.322 $[M+H_2O]^+$, 1114.544 $[2(\text{silicon phthalocyanine ring without axial ligands})+2H_2O-2H]^+$, 1133.068 $[2M+4Na+2H_2O]^{3+}$

Mass Spectrum of Compound 2-QSi



801.787 [M-2C₄H₉-2I]⁺, 1019.596 [M-C₄H₉-I+2H₂O]⁺, 1114.381 [2(silicon phthalocyanine ring without axial ligands)+2H₂O-2H]⁺, 1226.733 [M+Na+2H₂O-2H]⁺, 1284.636 [M+2Na+3H₂O-2H]⁺, 1653.009 [3M-2I+3H₂O]²⁺, 1670.282 [3M-C₄H₉-I+H₂O]²⁺, 1804.993 [3M+3Na+2H₂O-2H]²⁺, 1840.700 [4M-8I+H₂O+2H]²⁺

Mass Spectrum of Compound 3-QSi



557.856 $[M-CH_3-I]^2+$, 1114.227 $[2(\text{silicon phthalocyanine ring without axial ligands})+2H_2O-2H]^+$,
1669.429 $[M+2DHB+3Na+2H_2O]^+$