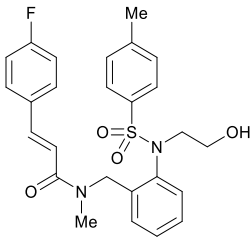
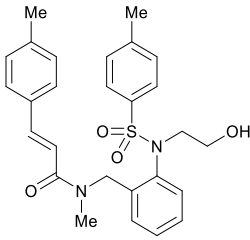
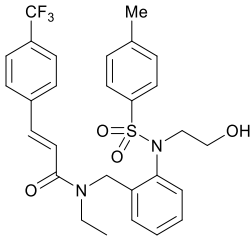


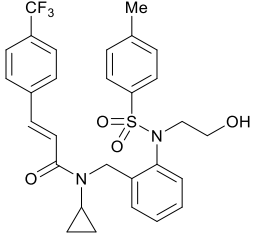
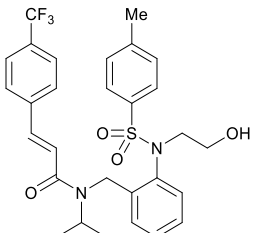
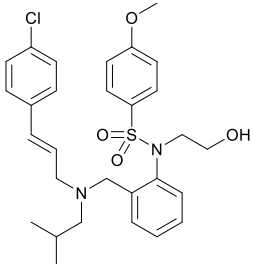
Supporting Information

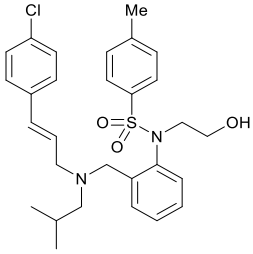
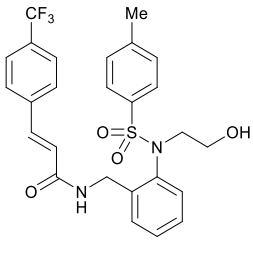
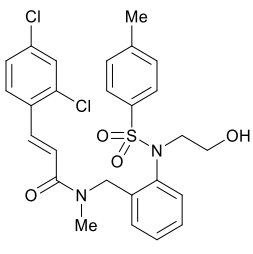
Structure-Activity Relationship of the Cinnamamide Family of Antibiotic Potentiators for Methicillin-Resistance *Staphylococcus aureus* (MRSA)

Enrico Speri^a, Jennifer Fishovitz^a, and Shahriar Mobashery*^a

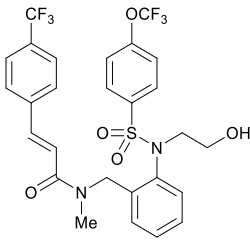
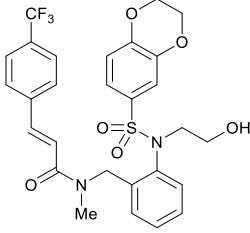
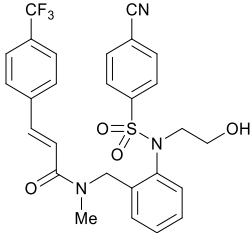
Department of Chemistry and Biochemistry, University of Notre Dame, Notre Dame, IN 46556. E-mail: mobashery@nd.edu

Structure	Experimental procedure and characterization data
	<p>(E)-3-(4-Fluorophenyl)-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacrylamide (18)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording white flakes (58 mg, 52%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.82 (dd, <i>J</i>=8.1, 5.9 Hz, 1 H), 7.63 (dd, <i>J</i>=8.2, 5.8 Hz, 1 H), 7.47 - 7.60 (m, 3 H), 7.38 - 7.47 (m, 2.5 H), 7.21 - 7.38 (m, 2 H), 7.17 (q, <i>J</i>=8.5 Hz, 2 H), 7.02 - 7.11 (m, 1 H), 6.90 - 6.99 (m, 0.5 H), 6.55 (dd, <i>J</i>=7.5, 3.1 Hz, 1 H), 4.99 - 5.19 (m, 1 H), 4.92 (dd, <i>J</i>=10.8, 5.4 Hz, 1 H), 4.66 - 4.87 (m, 1 H), 3.77 - 4.01 (m, 1 H), 3.38 - 3.57 (m, 1 H), 3.17 - 3.25 (m, 1 H), 3.12 (s, 1.5 H), 2.98 (s, 1.5 H), 2.41 (s, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.95, 144.53, 144.36, 141.24, 141.18, 140.07, 139.88, 138.50, 138.27, 135.43, 135.13, 131.06, 130.97, 130.77, 130.69, 130.49, 130.43, 129.62, 129.17, 128.52, 128.44, 128.40, 128.16, 128.05, 127.41, 126.65, 119.03, 118.51, 21.76, 116.55, 116.34, 59.49, 59.28, 54.68, 54.48, 50.34, 47.88, 35.99, 35.22, HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₂₉FN₂O₄S, 483.1748; found, 483.1766.</p>
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methyl-3-(p-tolyl)acrylamide (19)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (78 mg, 71%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.63 (d, <i>J</i>=8.1 Hz, 1 H), 7.48 - 7.58 (m, 3 H), 7.43 (q, <i>J</i>=8.2 Hz, 3 H), 7.28 - 7.38 (m, 1 H), 7.11 - 7.28 (m, 3.5 H), 7.01 - 7.11 (m, 1 H), 6.87 - 6.98 (m, 0.5 H), 6.55 (dd, <i>J</i>=7.8, 3.67 Hz, 1 H), 5.08 (s, 1 H), 4.87 - 5.02 (m, 1 H), 4.72 - 4.87 (m, 1 H), 3.77 - 3.96 (m, 1 H), 3.38 - 3.53 (m, 1 H), 3.27 - 3.37 (m, 1 H), 3.16 - 3.27 (m, 1 H), 3.12 (s, 1.5 H), 2.98 (s, 1.5 H), 2.36 - 2.45 (m, 3 H), 2.32 (s, 1.5 H), 2.25 (s, 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 167.14, 144.53, 144.35, 142.45, 140.12, 140.09, 139.95, 138.48, 138.26, 135.44, 135.15, 133.08, 132.93, 130.49, 130.43, 130.11, 130.08, 129.61, 129.18, 128.78, 128.53, 128.47, 128.40, 128.14, 128.04, 127.43, 126.60, 117.94, 117.49, 59.49, 59.29, 54.68, 54.48, 50.36, 47.88, 36.00, 35.23, 21.76, 21.68, 21.59. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₇H₃₁N₂O₄S, 479.1999; found, 479.2020.</p>
	<p>(E)-N-Ethyl-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-3-(4-(trifluoromethyl)phenyl)acrylamide (20)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (92 mg, 84%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.99 (d, <i>J</i>=7.8 Hz, 1 H), 7.75 (t, <i>J</i>=7.5 Hz, 2 H), 7.58 - 7.70 (m, 2 H), 7.51 (d, <i>J</i>=8.1 Hz, 1 H), 7.54 (d, <i>J</i>=8.1 Hz, 1 H), 7.38 - 7.48 (m, 2.5 H), 7.23 - 7.38 (m, 1 H), 6.98 - 7.22 (m, 2.5 H), 6.53 (t, <i>J</i>=7.8 Hz, 1 H), 5.02 - 5.22 (m, 1 H), 4.77 - 4.99 (m, 2 H), 3.75 - 3.99 (m, 1 H), 3.38 - 3.62 (m, 3 H), 3.05 - 3.26 (m, 1 H), 2.41 (s, 3 H), 1.15 (t, <i>J</i>=7.0 Hz, 1.5 H), 1.11 (t, <i>J</i>=7.0 Hz, 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.29, 166.08, 144.54, 144.36, 140.70, 140.66, 140.45, 140.36, 139.91, 139.76, 138.33, 138.26, 135.40, 135.05, 130.48, 130.42, 130.14, 129.86, 129.51, 129.44, 129.07, 128.52, 128.40, 128.36, 128.04, 128.00, 127.65, 126.82, 126.31, 126.28, 123.49, 123.38, 121.95, 121.92, 59.55, 59.29, 54.76, 54.49, 47.89, 45.69, 43.01, 42.16, 21.75, 15.60, 13.57. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₈H₃₀F₃N₂O₄S, 547.1873; found, 547.1893.</p>

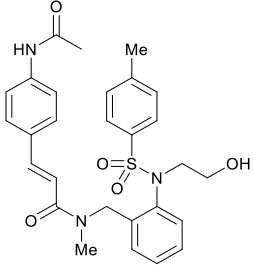
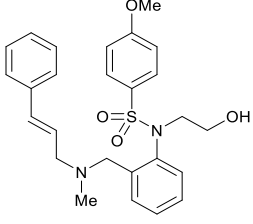
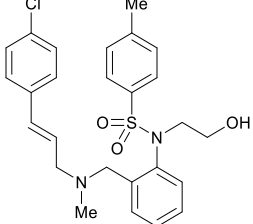
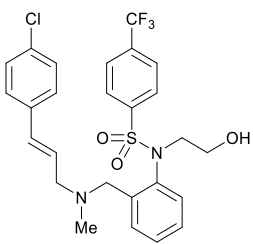
	<p>(E)-N-Cyclopropyl-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-3-(4-(trifluoromethyl)phenyl)acrylamide (21)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (98 mg, 92%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.93 (m, <i>J</i>=7.8 Hz, 2 H), 7.78 (m, <i>J</i>=8.1 Hz, 1 H), 7.63 - 7.71 (m, 1 H), 7.56 - 7.63 (m, 1 H), 7.52 (d, <i>J</i>=7.8 Hz, 2 H), 7.42 (d, <i>J</i>=8.1 Hz, 2 H), 7.29 (t, <i>J</i>=7.5 Hz, 1 H), 7.15 (t, <i>J</i>=7.4 Hz, 1 H), 7.06 (d, <i>J</i>=7.8 Hz, 1 H), 6.57 (d, <i>J</i>=7.6 Hz, 1 H), 4.83 - 5.03 (m, 2 H), 4.79 (t, <i>J</i>=5.5 Hz, 1 H), 4.47 (s, 1 H), 3.75 - 3.98 (m, 1 H), 3.42 (d, <i>J</i>=5.4 Hz, 2 H), 3.14 - 3.28 (m, 1 H), 2.91 - 3.13 (m, 1 H), 2.41 (s, 3 H), 0.84 - 1.02 (m, 2 H), 0.68 - 0.84 (m, 2 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 168.12, 144.36, 140.59, 139.90, 139.77, 137.90, 135.50, 130.43, 129.28, 129.11, 128.43, 128.20, 127.84, 127.11, 126.46, 126.42, 123.34, 65.68, 59.22, 54.48, 47.98, 31.36, 21.76, 9.81, 9.58. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₉H₃₀F₃N₂O₄S, 559.1873; found, 559.1888.</p>
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-isopropyl-3-(4-(trifluoromethyl)phenyl)acrylamide (22)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (142 mg, 39%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.97 (d, <i>J</i>=7.1 Hz, 0.5 H), 7.76 (d, <i>J</i>=7.1 Hz, 0.5 H), 7.59 - 7.70 (m, 4 H), 7.55 (d, <i>J</i>=7.1 Hz, 2.5 H), 7.45 (d, <i>J</i>=7.1 Hz, 2 H), 7.20 - 7.36 (m, 1 H), 7.14 (br. s., 2 H), 6.71 - 6.93 (m, 0.5 H), 6.37 - 6.56 (m, 1 H), 5.13 (br. s., 1.5 H), 4.70 (br. s., 2.5 H), 4.47 (br. s., 1 H), 3.82 - 4.06 (m, 1 H), 3.06 - 3.66 (m, 2 H), 2.42 (br. s., 3 H), 1.16 - 1.31 (m, 1 H), 1.09 - 1.16 (m, 3 H), 0.92 - 1.09 (m, 2 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.21, 144.56, 144.36, 141.73, 141.13, 140.47, 140.06, 139.82, 137.90, 137.55, 134.89, 130.52, 130.43, 130.10, 129.79, 129.32, 129.25, 128.90, 128.76, 128.53, 128.45, 128.10, 127.88, 127.44, 127.39, 127.20, 126.33, 126.29, 126.25, 122.93, 122.82, 65.68, 59.72, 59.24, 55.01, 54.67, 48.97, 45.62, 43.19, 41.62, 22.06, 21.77, 21.51, 20.50, 20.34. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₉H₃₂F₃N₂O₄S, 561.2029; found, 561.2058.</p>
	<p>(E)-N-(2-(((3-(4-Chlorophenyl)allyl)(isobutyl)amino)methyl)phenyl)-N-(2-hydroxyethyl)-4-methoxybenzenesulfonamide (23)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (134 mg, 35%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.53 (d, <i>J</i>=8.8 Hz, 2 H), 7.37 - 7.45 (m, 1 H), 7.30 - 7.37 (m, 2 H), 7.22 - 7.30 (m, 3 H), 7.11 - 7.20 (m, 1 H), 6.95 (m, <i>J</i>=8.8 Hz, 2 H), 6.58 (br. s., 1 H), 6.40 - 6.50 (m, 2 H), 6.30 - 6.40 (m, 1 H), 4.94 (d, <i>J</i>=12.5 Hz, 1 H), 4.01 - 4.18 (m, 1 H), 3.88 (s, 3 H), 3.59 - 3.72 (m, 1 H), 3.38 - 3.55 (m, 1 H), 3.22 - 3.38 (m, 1 H), 3.08 - 3.16 (m, 1 H), 2.91 - 3.07 (m, 2 H), 2.42 - 2.58 (m, 1 H), 2.13 - 2.26 (m, 1 H), 1.95 - 2.10 (m, 1 H), 1.00 (d, <i>J</i>=6.4 Hz, 3 H), 0.94 (d, <i>J</i>=6.9 Hz, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 21.77, 22.42, 26.09, 55.66, 55.84, 57.17, 57.90, 59.43, 64.10, 114.12, 127.06, 127.56, 127.92, 128.18, 128.60, 128.69, 128.85, 130.81, 132.56, 133.24, 133.95, 135.64, 139.93, 140.03, 163.38. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₉H₃₆ClN₂O₄S, 543.2079; found, 543.2059.</p>

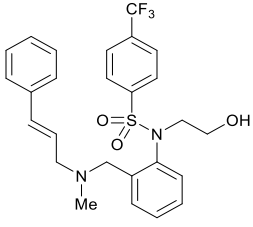
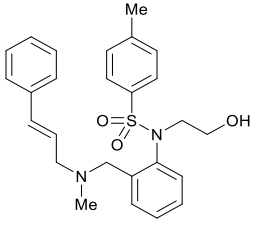
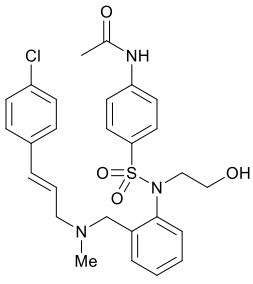
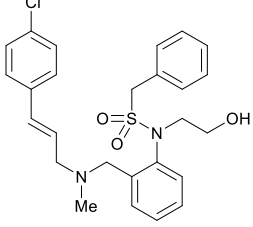
	<p>(E)-N-(2-(((3-(4-Chlorophenyl)allyl)(isobutyl)amino)methyl)phenyl)-N-(2-hydroxyethyl)-4-methylbenzenesulfonamide (24)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 1:0 affording a white powder (82 mg, 31%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.49 (d, <i>J</i>=8.1 Hz, 2 H), 7.40 (dd, <i>J</i>=7.6, 1.47 Hz, 1 H), 7.31 - 7.37 (m, 2 H), 7.21 - 7.31 (m, 5 H), 7.15 (td, <i>J</i>=7.6, 1.59 Hz, 1 H), 6.57 (br. s., 1 H), 6.43 - 6.51 (m, 1 H), 6.28 - 6.43 (m, 2 H), 4.84 - 5.07 (m, 1 H), 3.95 - 4.18 (m, 1 H), 3.53 - 3.76 (m, 1 H), 3.36 - 3.52 (m, 1 H), 3.20 - 3.36 (m, 1 H), 3.07 - 3.17 (m, 1 H), 3.00 - 3.06 (m, 1 H), 2.89 - 3.00 (m, 1 H), 2.47 - 2.56 (m, 1 H), 2.45 (s, 3 H), 2.14 - 2.24 (m, 1 H), 1.94 - 2.11 (m, 1 H), 1.00 (d, <i>J</i>=6.6 Hz, 3 H), 0.95 (d, <i>J</i>=6.6 Hz, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 44.03, 139.98, 139.86, 135.63, 134.02, 133.95, 133.26, 132.59, 129.61, 128.85, 128.77, 128.62, 128.20, 127.92, 127.57, 127.03, 64.10, 59.43, 57.89, 57.17, 55.71, 26.09, 22.42, 21.81, 21.77. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₉H₃₆ClN₂O₃S, 527.2130; found, 527.2136.</p>
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-3-(4-(trifluoromethyl)phenyl)acrylamide (25)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (40 mg, 37%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 8.74 (br. s., 1 H), 7.78 (d, <i>J</i>=10.0 Hz, 4 H), 7.46 - 7.62 (m, 3 H), 7.24 - 7.46 (m, 4 H), 7.17 (br. s., 1 H), 6.80 - 7.02 (m, 1 H), 6.56 (d, <i>J</i>=7.1 Hz, 1 H), 4.97 (br. s., 1 H), 4.68 - 4.88 (m, 1 H), 4.38 - 4.61 (m, 1 H), 3.76 - 4.00 (m, 1 H), 3.43 (br. s., 1 H), 3.29 - 3.40 (m, 1 H), 3.10 - 3.29 (m, 1 H), 2.41 (br. s., 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 165.60, 144.36, 141.33, 139.67, 138.21, 137.97, 135.38, 130.42, 130.13, 129.82, 129.16, 128.93, 128.88, 128.38, 128.21, 28.03, 126.50, 126.47, 126.16, 125.43, 123.46, 59.15, 54.39, 39.44, 21.76. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₂₆F₃N₂O₄S, 519.1565; found, 519.158.</p>
	<p>(E)-3-(2,4-Dichlorophenyl)-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacrylamide (26)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 7:3 affording a white powder (71 mg, 67%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 8.09 (d, <i>J</i>=8.6 Hz, 0.5 H), 7.77 - 7.87 (m, 1 H), 7.74 (d, <i>J</i>=8.6 Hz, 0.5 H), 7.71 (d, <i>J</i>=2.2 Hz, 0.5 H), 7.66 (d, <i>J</i>=2.0 Hz, 0.5 H), 7.46 - 7.56 (m, 3 H), 7.39 - 7.46 (m, 2 H), 7.25 - 7.39 (m, 2 H), 7.01 - 7.25 (m, 3 H), 6.55 (t, <i>J</i>=7.1 Hz, 1 H), 5.08 - 5.20 (m, 1 H), 4.99 - 5.08 (m, 1 H), 4.88 - 4.97 (m, 1 H), 4.74 - 4.88 (m, 1 H), 3.77 - 3.93 (m, 1 H), 3.39 - 3.52 (m, 1 H), 3.25 - 3.39 (m, 1 H), 3.16 - 3.25 (m, 1 H), 3.13 (s, 1.5 H), 2.98 (s, 1.5 H), 2.41 (s, 3 H). ¹³C NMR (125 MHz, DMSO-<i>d</i>₆) δ ppm 166.40, 166.38, 144.53, 144.36, 139.87, 139.67, 138.54, 138.27, 136.28, 36.13, 135.40, 135.36, 135.31, 135.08, 134.91, 134.91, 132.61, 132.47, 130.48, 130.43, 130.27, 130.03, 129.72, 129.65, 129.21, 128.52, 128.47, 128.40, 128.17, 128.11, 127.41, 126.76, 122.92, 122.46, 59.46, 59.29, 54.66, 54.49, 50.34, 48.00, 36.01, 35.24, 21.76. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₂₇Cl₂N₂O₄S, 533.1063; found, 533.1085.</p>

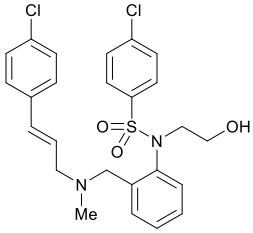
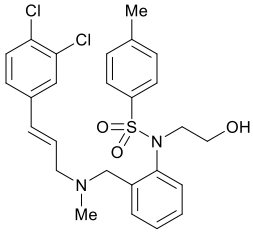
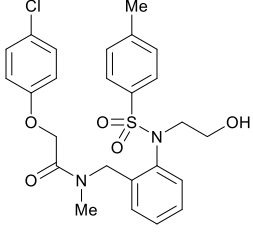
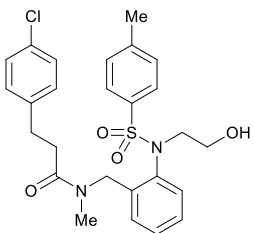
	<p>(E)-3-(3,4-Dichlorophenyl)-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacrylamide (27)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (190 mg, 69%). ¹H NMR (400 MHz, DMSO-<i>d</i>₆) δ ppm 8.16 (br. s., 0.5 H), 7.94 (br. s., 0.5 H), 7.77 (d, <i>J</i>=7.6 Hz, 0.5 H), 7.69 (d, <i>J</i>=8.1 Hz, 0.5 H), 7.41 - 7.65 (m, 6.5 H), 7.28 - 7.40 (m, 1 H), 7.15 - 7.26 (m, 1 H), 6.95 - 7.15 (m, 1.5 H), 6.55 (t, <i>J</i>=8.7 Hz, 1 H), 5.10 (br. s., 1 H), 4.88 - 5.00 (m, 1 H), 4.68 - 4.88 (m, 1 H), 3.79 - 3.98 (m, 1 H), 3.39 - 3.57 (m, 1 H), 3.18 - 3.27 (m, 1 H), 3.14 (s, 1.5 H), 3.00 (s, 1.5 H), 2.43 (s, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.39, 166.33, 144.35, 144.15, 139.84, 139.56, 139.52, 138.26, 137.90, 136.54, 136.33, 135.10, 134.75, 132.22, 132.20, 132.14, 132.11, 131.37, 131.35, 130.23, 130.22, 130.05, 129.68, 129.43, 128.96, 128.91, 128.66, 128.30, 128.26, 128.17, 127.89, 127.13, 126.48, 121.27, 120.74, 59.14, 59.03, 54.39, 54.23, 50.12, 47.66, 35.75, 35.13, 21.55. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₂₇Cl₂N₂O₄S, 533.1063; found, 533.1067.</p>
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-4-isopropylphenyl)sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (28)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording white powder (81 mg, 76%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.98 (d, <i>J</i>=8.1 Hz, 1 H), 7.78 (dd, <i>J</i>=11.5, 8.3 Hz, 2 H), 7.52 - 7.72 (m, 4 H), 7.43 - 7.52 (m, 2.5 H), 7.27 - 7.39 (m, 1 H), 7.13 (s, 2.5 H), 6.57 (dd, <i>J</i>=7.2, 5.8 Hz, 1 H), 5.11 - 5.21 (m, 0.5 H), 5.00 - 5.09 (m, 0.5 H), 4.87 - 4.99 (m, 1 H), 4.75 - 4.87 (m, 1 H), 3.73 - 3.96 (m, 1 H), 3.40 - 3.57 (m, 1 H), 3.18 - 3.28 (m, 1 H), 3.13 (s, 1.5 H), 2.95 - 3.08 (m, 2.5 H), 1.09 - 1.32 (m, 6 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.63, 166.60, 154.95, 154.80, 140.68, 140.55, 139.93, 139.69, 138.54, 138.32, 135.80, 135.50, 129.63, 129.42, 129.20, 129.15, 128.70, 128.56, 128.52, 128.26, 128.10, 127.94, 127.88, 127.38, 126.67, 126.33, 126.28, 126.25, 122.17, 121.58, 59.51, 59.32, 54.65, 54.46, 50.36, 47.91, 36.01, 35.23, 34.10, 24.21, 24.18, 24.08. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₉H₃₂F₃N₂O₄S, 561.2029; found, 561.2007.</p>
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-4-nitrophenyl)sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (29)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (42 mg, 39%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 8.43 (dd, <i>J</i>=8.6, 4.9 Hz, 2 H), 7.98 (d, <i>J</i>=8.1 Hz, 1 H), 7.89 (d, <i>J</i>=8.8 Hz, 1 H), 7.92 (d, <i>J</i>=8.8 Hz, 1 H), 7.78 (t, <i>J</i>=8.9 Hz, 2 H), 7.58 - 7.73 (m, 2 H), 7.44 - 7.55 (m, 0.5 H), 7.30 - 7.44 (m, 1 H), 7.03 - 7.26 (m, 2.5 H), 6.63 (dd, <i>J</i>=7.7, 3.30 Hz, 1 H), 5.13 - 5.22 (m, 0.5 H), 5.05 - 5.12 (m, 0.5 H), 5.02 (t, <i>J</i>=4.9 Hz, 0.5 H), 4.93 - 5.00 (m, 0.5 H), 4.89 (t, <i>J</i>=4.9 Hz, 0.5 H), 4.77 - 4.86 (m, 0.5 H), 3.79 - 4.01 (m, 1 H), 3.41 - 3.58 (m, 1 H), 3.27 - 3.38 (m, 1 H), 3.16 (s, 1.5 H), 3.00 (s, 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.66, 166.62, 150.81, 50.73, 143.62, 143.28, 140.75, 140.61, 139.89, 139.67, 137.67, 137.44, 130.16, 130.05, 130.01, 129.63, 129.42, 129.14, 128.80, 128.74, 128.48, 128.41, 127.63, 126.92, 126.36, 126.33, 126.29, 125.33, 125.29, 122.13, 121.51, 59.23, 59.03, 54.91, 54.74, 50.29, 47.86, 36.01, 35.22. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₂₅F₃N₃O₆S, 564.1411; found, 564.1382.</p>

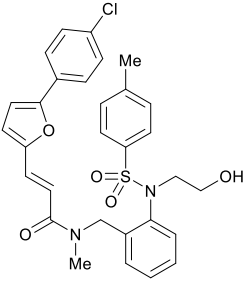
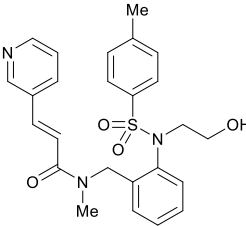
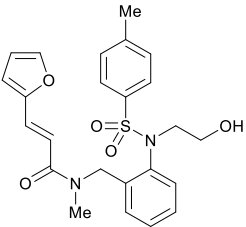
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-4-(trifluoromethoxy)phenyl)sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (30)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (90 mg, 83%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.98 (d, <i>J</i>=8.1 Hz, 1 H). 7.72 - 7.86 (m, 4 H), 7.56 - 7.72 (m, 4 H), 7.44 - 7.52 (m, 0.5 H), 7.28 - 7.42 (m, 1 H), 7.15 - 7.25 (m, 1.5 H), 7.01 - 7.15 (m, 1 H), 6.62 (d, <i>J</i>=7.8 Hz, 1 H), 5.02 - 5.20 (m, 1 H), 4.91 - 5.01 (m, 1 H), 4.77 - 4.91 (m, 1 H), 3.79 - 3.97 (m, 1 H), 3.39 - 3.58 (m, 1 H), 3.24 - 3.39 (m, 1 H), 3.15 (s, 1.5 H), 2.99 (s, 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.66, 166.61, 152.20, 152.10, 140.73, 140.59, 139.93, 139.89, 139.72, 138.05, 137.81, 137.12, 136.80, 131.20, 131.04, 130.19, 130.03, 129.87, 129.42, 129.13, 128.64, 128.60, 128.31, 128.25, 127.54, 126.82, 126.34, 126.32, 126.28, 122.13, 122.03, 121.85, 121.52, 119.28, 59.34, 59.15, 54.75, 54.58, 50.31, 47.89, 36.00, 35.2. HRMS (m/z): [M + H]⁺, calcd for C₂₇H₂₅F₆N₂O₅S, 603.1383; found, 603.1383.</p>
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-2,3-dihydrobenzo[b][1,4]dioxine)-6-sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (31)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 3:7 to EtOAc/Hexane 7:3 affording a white powder (80 mg, 74%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.98 (d, <i>J</i>=8.1 Hz, 1 H), 7.77 (t, <i>J</i>=7.5 Hz, 2 H), 7.56 - 7.71 (m, 2 H), 7.42 - 7.54 (m, 0.5 H), 7.27 - 7.41 (m, 1 H), 7.20 (q, <i>J</i>=7.9 Hz, 1 H), 6.95 - 7.17 (m, 4.5 H), 6.64 (t, <i>J</i>=7.7 Hz, 1 H), 5.09 - 5.18 (m, 0.5 H), 5.01 - 5.09 (m, 0.5 H), 4.86 - 4.97 (m, 1 H), 4.74 - 4.86 (m, 1 H), 4.23 - 4.44 (m, 4 H), 3.77 - 3.92 (m, 1 H), 3.38 - 3.54 (m, 1 H), 3.16 - 3.26 (m, 1 H), 3.14 (s, 1.5 H), 2.99 (s, 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.40, 166.35, 148.13, 148.00, 143.82, 143.78, 140.43, 140.34, 139.75, 139.67, 139.47, 138.33, 138.09, 130.17, 129.93, 129.82, 129.61, 129.39, 129.20, 128.96, 128.91, 128.26, 128.24, 127.96, 127.88, 127.11, 126.42, 126.11, 126.06, 126.03, 123.16, 121.98, 121.91, 121.82, 121.36, 119.15, 119.10, 117.22, 117.10, 64.95, 64.54, 60.23, 59.25, 59.06, 54.43, 54.20, 50.15, 47.65, 35.77, 35.07, 21.23, 14.55. HRMS (m/z): [M + H]⁺, calcd for C₂₈H₂₈F₃N₂O₆S, 577.1615; found, 577.1615.</p>
	<p>(E)-N-(2-((4-Cyano-N-(2-hydroxyethyl)phenyl)sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (32)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 3:7 to EtOAc/Hexane 7:3 affording white flakes (98 mg, 91%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 8.11 (dd, <i>J</i>=8.3, 5.6 Hz, 2 H), 7.98 (d, <i>J</i>=8.1 Hz, 1 H), 7.71 - 7.88 (m, 4 H), 7.56 - 7.71 (m, 2 H), 7.43 - 7.54 (m, 0.5 H), 7.25 - 7.43 (m, 1 H), 7.03 - 7.25 (m, 2.5 H), 6.61 (dd, <i>J</i>=7.5, 5.01 Hz, 1 H), 5.04 - 5.22 (m, 1 H), 4.92 - 5.04 (m, 1 H), 4.78 - 4.86 (m, 1 H), 3.84 - 3.99 (m, 1 H), 3.40 - 3.55 (m, 1 H), 3.25 - 3.38 (m, 1 H), 3.15 (s, 1.5 H), 3.00 (s, 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.68, 166.63, 142.25, 141.91, 140.75, 140.61, 139.89, 139.67, 137.73, 137.50, 134.18, 134.13, 130.19, 130.17, 130.00, 129.88, 129.85, 129.57, 129.41, 129.27, 129.13, 128.73, 128.71, 128.45, 128.35, 127.60, 126.88, 126.35, 126.32, 126.28, 126.18, 126.09, 123.48, 123.38, 122.11, 121.50, 118.39, 118.36, 116.48, 116.36, 59.26, 59.06, 54.88, 54.70, 50.29, 47.88, 36.01, 35.22. HRMS (m/z): [M + H]⁺, calcd for C₂₇H₂₅F₃N₃O₄S, 544.1512; found, 544.1506.</p>

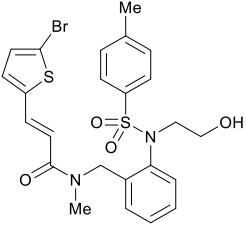
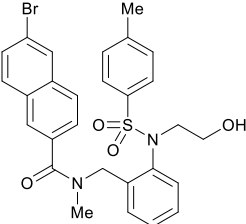
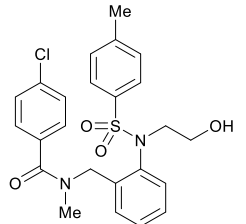
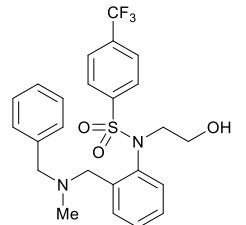
	<p>(E)-3-(4-Chlorophenyl)-N-(2-(N-(2-hydroxyethyl)thiophene-2-sulfonamido)benzyl)-N-methylacrylamide (33)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording an off-white powder (151 mg, 52%). ¹H NMR (400 MHz, DMSO-<i>d</i>₆) δ ppm 8.07 (br. s., 0.5 H), 7.80 (d, <i>J</i>=7.5 Hz, 1 H), 7.52 - 7.73 (m, 3 H), 7.49 (d, <i>J</i>=7.5 Hz, 1 H), 7.18 - 7.43 (m, 5 H), 6.91 - 7.16 (m, 1.5 H), 6.67 (d, <i>J</i>=7.5 Hz, 1 H), 4.70 - 5.22 (m, 3 H), 3.94 (br. s., 1 H), 3.44 - 3.68 (m, 1 H), 3.35 (br. s., 1 H), 3.15 (s., 1.5 H), 3.00 (s., 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.86, 166.82, 141.10, 141.03, 140.03, 139.85, 138.26, 138.04, 134.96, 134.81, 134.79, 134.75, 134.70, 134.63, 134.24, 134.01, 130.55, 130.27, 129.84, 129.52, 129.40, 128.91, 128.80, 128.62, 128.22, 128.10, 127.80, 127.48, 126.75, 119.98, 119.45, 59.57, 59.35, 54.93, 54.74, 50.31, 47.89, 36.03, 35.29. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₃H₂₄ClN₂O₄S₂, 491.0861; found, 491.0834.</p>
	<p>(E)-3-(4-Chlorophenyl)-N-(2-(N-(2-hydroxyethyl)thiophene-3-sulfonamido)benzyl)-N-methylacrylamide (34)</p> <p>This compound was prepared by the same procedure for 12 for and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording an off-white powder (97 mg, 44%). ¹H NMR (400 MHz, DMSO-<i>d</i>₆) δ ppm 8.04 - 8.26 (m, 0.5 H), 7.73 - 7.92 (m, 2 H), 7.51 - 7.66 (m, 2 H), 7.48 (d, <i>J</i>=8.3 Hz, 1 H), 7.14 - 7.43 (m, 5 H), 6.87 - 7.14 (m, 1.5 H), 6.62 (d, <i>J</i>=7.9 Hz, 1 H), 4.99 - 5.22 (m, 1 H), 4.88 - 4.98 (m, 1 H), 4.77 - 4.88 (m, 1 H), 3.79 - 4.06 (m, 1 H), 3.42 - 3.58 (m, 1 H), 3.20 - 3.32 (m, 1 H), 3.14 (s, 1.5 H), 2.99 (s, 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.84, 166.82, 141.11, 141.01, 140.02, 139.82, 138.53, 138.32, 137.86, 137.53, 134.81, 134.79, 134.74, 134.62, 133.55, 133.24, 130.55, 130.27, 130.05, 129.93, 129.68, 129.53, 129.25, 128.58, 128.31, 128.17, 128.05, 127.41, 126.67, 126.60, 119.99, 119.44, 59.60, 59.39, 54.81, 54.63, 50.31, 47.87, 36.02, 35.25. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₃H₂₄ClN₂O₄S₂, 491.0861; found, 491.0838.</p>
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-3-(4-methoxyphenyl)-N-methylacrylamide (35)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (143 mg, 66%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.69 (d, <i>J</i>=8.6 Hz, 1 H), 7.47 - 7.60 (m, 4 H), 7.38 - 7.47 (m, 2 H), 7.25 - 7.38 (m, 1 H), 7.11 - 7.22 (m, 1.5 H), 7.09 (d, <i>J</i>=7.6 Hz, 0.5 H), 7.03 (d, <i>J</i>=7.8 Hz, 0.5 H), 6.97 (d, <i>J</i>=8.6 Hz, 1 H), 6.81 - 6.92 (m, 1.5 H), 6.55 (d, <i>J</i>=7.6 Hz, 1 H), 5.08 (s, 1 H), 4.86 - 4.97 (m, 1 H), 4.74 - 4.86 (m, 1 H), 3.81 - 3.96 (m, 1 H), 3.79 (s, 1.5 H), 3.72 (s, 1.5 H), 3.38 - 3.53 (m, 1 H), 3.16 - 3.26 (m, 1 H), 3.11 (s, 1.5 H), 2.97 (s, 1.5 H), 2.41 (s, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 190.97, 167.01, 160.90, 144.31, 144.13, 142.07, 139.98, 138.00, 135.13, 134.85, 130.28, 130.26, 130.22, 129.98, 129.38, 128.94, 128.30, 128.17, 128.02, 127.85, 127.80, 127.19, 126.35, 116.11, 115.63, 114.7, 59.26, 59.03, 55.75, 55.71, 54.45, 54.23, 50.11, 47.63, 35.76, 35.02, 21.55. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₇H₃₁N₂O₅S, 495.1948; found, 495.1963.</p>

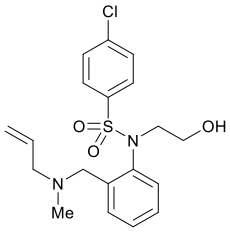
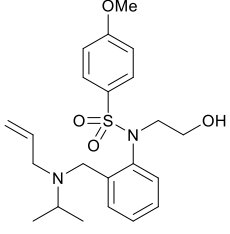
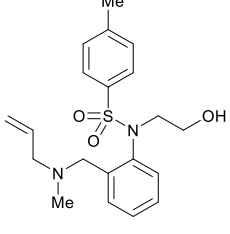
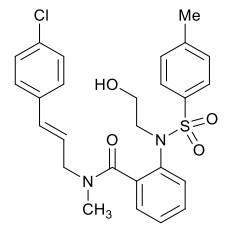
	<p>(E)-3-(4-Acetamidophenyl)-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacrylamide (36)</p> <p>This compound was prepared by the same procedure for 6 and was purified through trituration with DCM affording an off-white powder (78 mg, 71%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 10.09 (s, 0.5 H), 10.03 (s, 0.5 H), 7.59 - 7.72 (m, 2 H), 7.45 - 7.59 (m, 5 H), 7.39 - 7.45 (m, 2 H), 7.24 - 7.38 (m, 1 H), 7.12 - 7.24 (m, 1.5 H), 6.99 - 7.12 (m, 1 H), 6.77 - 6.96 (m, 0.5 H), 6.47 - 6.62 (m, 1 H), 5.07 (d, <i>J</i>=4.7 Hz, 1 H), 4.86 - 4.97 (m, 1 H), 4.74 - 4.86 (m, 1 H), 3.75 - 3.94 (m, 1 H), 3.37 - 3.55 (m, 1 H), 3.26 - 3.36 (m, 1 H), 3.17 - 3.27 (m, 1 H), 3.11 (s, 1.5 H), 2.98 (s, 1.5 H), 2.41 (s, 3 H), 2.05 (s, 1.5 H), 2.01 (s, 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 169.00, 168.94, 166.92, 144.32, 144.13, 141.95, 141.12, 141.06, 139.97, 139.76, 138.21, 137.99, 135.13, 134.84, 30.28, 130.22, 130.05, 129.40, 129.32, 129.07, 128.95, 128.29, 128.17, 127.81, 127.18, 126.35, 119.30, 119.25, 116.85, 116.39, 65.47, 59.27, 59.03, 54.49, 54.24, 49.07, 47.64, 35.75, 35.06, 24.58, 24.55, 21.55. HRMS (m/z): [M + H]⁺, calcd for C₂₈H₃₂N₃O₅S, 522.2057; found, 522.2081.</p>
	<p>N-(2-((Cinnamyl(methyl)amino)methyl)phenyl)-N-(2-hydroxyethyl)-4-methoxybenzenesulfonamide (37)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (69 mg, 64%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.63 (br. s., 1 H), 7.51 - 7.59 (m, 2 H), 7.40 - 7.51 (m, 2 H), 7.15 - 7.35 (m, 6 H), 6.88 - 7.04 (m, 2 H), 6.51 - 6.63 (m, 1 H), 6.47 (dd, <i>J</i>=8.0, 1.1 Hz, 1 H), 6.30 - 6.44 (m, 1 H), 4.97 (d, <i>J</i>=12.2 Hz, 1 H), 4.08 (ddd, <i>J</i>=13.0, 8.6, 2.9 Hz, 1 H), 3.89 (s, 3 H), 3.69 (d, <i>J</i>=12.2 Hz, 1 H), 3.43 (br. s., 1 H), 3.19 - 3.37 (m, 2 H), 3.04 - 3.19 (m, 1 H), 2.88 - 3.01 (m, 1 H), 2.25 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 163.37, 140.19, 139.68, 136.97, 134.43, 133.72, 130.79, 128.89, 128.80, 128.71, 128.22, 127.80, 127.59, 126.87, 125.39, 114.14, 60.69, 59.49, 59.29, 55.95, 55.85, 41.68. HRMS (m/z): [M + H]⁺, calcd for C₂₆H₃₁N₂O₄S, 467.1999; found, 467.2009.</p>
	<p>(E)-N-(2-(((3-(4-Chlorophenyl)allyl)(methyl)amino)methyl)phenyl)-N-(2-hydroxyethyl)-4-methylbenzenesulfonamide (38)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording an off-white powder (134 mg, 48%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.65 (br. s., 1 H), 7.49 (d, <i>J</i>=8.1 Hz, 2 H), 7.40 (d, <i>J</i>=8.1 Hz, 2 H), 7.20 - 7.35 (m, 6 H), 7.17 (t, <i>J</i>=7.2 Hz, 1 H), 6.48 - 6.62 (m, 1 H), 6.31 - 6.48 (m, 2 H), 4.99 (d, <i>J</i>=12.2 Hz, 1 H), 3.96 - 4.19 (m, 1 H), 3.67 (d, <i>J</i>=12.5 Hz, 1 H), 3.43 (dd, <i>J</i>=13.1, 5.76 Hz, 1 H), 3.15 - 3.34 (m, 1 H), 3.00 - 3.15 (m, 1 H), 2.88 (d, <i>J</i>=12.2 Hz, 1 H), 2.44 (s, 3 H), 2.22 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 164.85, 144.04, 140.06, 139.65, 135.48, 134.04, 133.75, 133.35, 133.03, 129.62, 128.90, 128.83, 128.73, 128.24, 128.15, 127.53, 60.83, 59.43, 59.26, 55.99, 41.88, 21.81. HRMS (m/z): [M + H]⁺, calcd for C₂₆H₃₀ClN₂O₃S, 485.1660; found, 485.1634.</p>
	<p>(E)-N-(2-(((3-(4-Chlorophenyl)allyl)(methyl)amino)methyl)phenyl)-N-(2-hydroxyethyl)-4-(trifluoromethyl)benzenesulfonamide (39)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 1:0 affording a white powder (85 mg, 31%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.67 - 7.84 (m, 4 H), 7.62 (br. s., 1 H), 7.37 - 7.44 (m, 2 H), 7.33 - 7.37 (m, 1 H), 7.25 - 7.33 (m, 3 H), 7.20 (td, <i>J</i>=7.7, 1.7 Hz, 1 H), 6.51 - 6.61 (m, 1 H), 6.41 - 6.47 (m, 1 H), 6.34 - 6.41 (m, 1 H), 4.98 (d, <i>J</i>=12.2 Hz, 1 H), 4.12 (ddd, <i>J</i>=12.7, 8.8, 2.9 Hz, 1 H), 3.61 - 3.79 (m, 1 H), 3.44 (dd, <i>J</i>=13.4, 6.0 Hz, 1 H), 3.28 (ddd, <i>J</i>=12.8, 8.7, 1.5 Hz, 1 H), 3.21 (dd, <i>J</i>=13.5, 7.6 Hz, 1 H), 3.11 (ddd, <i>J</i>=12.5, 3.9, 1.0 Hz, 1 H), 2.91 (d, <i>J</i>=12.2 Hz, 1 H), 2.23 (s, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 141.55, 140.25, 138.25, 136.03, 133.42, 133.10, 132.31, 132.06, 131.72, 129.30, 129.02, 128.96, 128.74, 128.47, 128.19, 126.97, 26.93, 126.89, 126.86, 125.30, 122.59, 59.97, 58.38, 57.55, 54.92, 42.18. HRMS (m/z): [M + H]⁺, calcd for C₂₆H₂₇ClF₃N₂O₃S, 539.1378; found, 539.1401.</p>

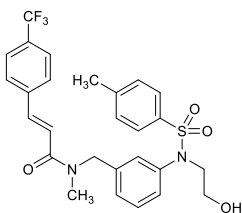
	<p><i>N</i>-(2-((Cinnamyl(methyl)amino)methyl)phenyl)-<i>N</i>-(2-hydroxyethyl)-4-(trifluoromethyl)benzenesulfonamide (40)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (127 mg, 47%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.76 (s, 4 H), 7.66 (br. s., 1 H), 7.44 - 7.51 (m, 2 H), 7.34 - 7.39 (m, 1 H), 7.27 - 7.34 (m, 3 H), 7.18 - 7.27 (m, 2 H), 6.60 (d, <i>J</i>=15.7 Hz, 1 H), 6.29 - 6.49 (m, 2 H), 4.96 (d, <i>J</i>=12.5 Hz, 1 H), 4.12 (ddd, <i>J</i>=12.4, 9.0, 2.8 Hz, 1 H), 3.69 (dt, <i>J</i>=12.8, 3.5 Hz, 1 H), 3.43 (dd, <i>J</i>=13.2, 5.9 Hz, 1 H), 3.18 - 3.36 (m, 2 H), 3.12 (dd, <i>J</i>=12.8, 2.8 Hz, 1 H), 2.96 (d, <i>J</i>=12.5 Hz, 1 H), 2.24 (s, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 141.56, 140.25, 138.26, 137.07, 133.42, 133.10, 133.05, 132.09, 129.31, 129.04, 128.95, 128.75, 128.21, 127.97, 127.08, 126.93, 126.89, 126.76, 125.30, 122.59, 60.08, 58.39, 57.59, 56.94, 42.13. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₂₈ClF₃N₂O₃S, 505.1767; found, 505.1790.</p>
	<p><i>N</i>-(2-((Cinnamyl(methyl)amino)methyl)phenyl)-<i>N</i>-(2-hydroxyethyl)-4-methylbenzenesulfonamide (41)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (80 mg, 29%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.62 (br. s., 1 H), 7.39 - 7.57 (m, 4 H), 7.15 - 7.38 (m, 8 H), 6.59 (d, <i>J</i>=15.7 Hz, 1 H), 6.30 - 6.51 (m, 2 H), 4.97 (d, <i>J</i>=12.2 Hz, 1 H), 3.97 - 4.18 (m, 1 H), 3.57 - 3.80 (m, 1 H), 3.42 (dd, <i>J</i>=13.3, 6.2 Hz, 1 H), 3.20 - 3.35 (m, 2 H), 3.09 (dd, <i>J</i>=13.0, 2.7 Hz, 1 H), 2.94 (d, <i>J</i>=12.2 Hz, 1 H), 2.44 (s, 3 H), 2.24 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 144.00, 140.13, 139.69, 136.97, 134.38, 134.15, 133.73, 129.62, 128.88, 128.75, 28.70, 128.22, 127.78, 127.58, 126.87, 125.44, 60.69, 59.52, 59.32, 56.03, 41.69, 21.81. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₃₂N₂O₃S, 451.2050; found, 451.2068.</p>
	<p>(<i>E</i>)-<i>N</i>-(4-(<i>N</i>-(2-((3-(4-Chlorophenyl)allyl)(methyl)amino)methyl)phenyl)-<i>N</i>-(2-hydroxyethyl)sulfamoyl)phenyl)acetamide (42)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Methanol 1:0 to EtOAc/Methanol 95:5 affording a white powder (130 mg, 80%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.98 (s, 1 H), 7.78 (br. s., 1 H), 7.65 (m, <i>J</i>=8.6 Hz, 2 H), 7.52 (m, <i>J</i>=8.8 Hz, 2 H), 7.38 (d, <i>J</i>=8.3 Hz, 2 H), 7.30 - 7.34 (m, 1 H), 7.21 - 7.30 (m, 3 H), 7.17 (t, <i>J</i>=7.6 Hz, 1 H), 6.47 - 6.59 (m, 1 H), 6.43 (d, <i>J</i>=7.8 Hz, 1 H), 6.35 - 6.42 (m, 1 H), 4.98 (d, <i>J</i>=12.2 Hz, 1 H), 4.08 (ddd, <i>J</i>=12.6, 9.3, 2.8 Hz, 1 H), 3.58 - 3.73 (m, 1 H), 3.42 (dd, <i>J</i>=13.5, 5.9 Hz, 1 H), 3.14 - 3.33 (m, 2 H), 3.08 (dd, <i>J</i>=12.8, 2.6 Hz, 1 H), 2.79 - 2.94 (m, 1 H), 2.21 (s, 3 H), 2.18 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 169.05, 142.69, 139.82, 139.49, 135.37, 133.83, 133.45, 133.22, 131.49, 129.90, 129.10, 128.86, 128.41, 128.11, 127.46, 126.14, 119.13, 60.81, 59.21, 55.91, 41.86, 32.41, 24.89. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₇H₃₁N₃O₄S, 528.1718; found, 528.1721.</p>
	<p>(<i>E</i>)-<i>N</i>-(2-((3-(4-Chlorophenyl)allyl)(methyl)amino)methyl)phenyl)-<i>N</i>-(2-hydroxyethyl)-1-phenylmethanesulfonamide (43)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording an off-white powder (70 mg, 42%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.49 (br. s., 1 H), 7.28 - 7.46 (m, 10 H), 7.20 - 7.28 (m, 2 H), 7.17 (d, <i>J</i>=7.6 Hz, 1 H), 6.50 (d, <i>J</i>=15.9 Hz, 1 H), 6.25 - 6.40 (m, 1 H), 4.78 (d, <i>J</i>=12.2 Hz, 1 H), 4.30-4.38 (m, 1 H), 3.93 - 4.11 (m, 1 H), 3.58 - 3.77 (m, 1 H), 3.43 (dd, <i>J</i>=13.2, 3.2 Hz, 1 H), 3.22 - 3.39 (m, 2 H), 3.15 (dd, <i>J</i>=13.2, 7.3 Hz, 1 H), 2.86 (d, <i>J</i>=12.2 Hz, 1 H), 2.18 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 139.93, 139.28, 135.34, 134.13, 133.42, 133.12, 131.09, 129.57, 129.05, 128.97, 128.85, 128.45, 128.37, 128.10, 128.05, 126.21, 60.79, 59.68, 59.33, 56.37, 55.35, 41.81. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₃₀ClN₂O₃S, 485.1660; found, 485.1685.</p>

	<p>(E)-4-Chloro-N-(2-(((3-(4-chlorophenyl)allyl)(methylamino)methyl)phenyl)-N-(2-hydroxyethyl)benzenesulfonamide (44)</p> <p>This compound was prepared by the same procedure for 12 and was purified with silica gel column chromatography EtOAc/Hexane 7:3 affording a white powder (62 mg, 39%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.58 (br. s., 1 H), 7.51 - 7.57 (m, 2 H), 7.44 - 7.50 (m, 2 H), 7.40 (d, <i>J</i>=8.3 Hz, 2 H), 7.24 - 7.35 (m, 4 H), 7.19 (td, <i>J</i>=7.6, 1.71 Hz, 1 H), 6.54 (d, <i>J</i>=16.4 Hz, 1 H), 6.33 - 6.46 (m, 2 H), 4.97 (d, <i>J</i>=12.5 Hz, 1 H), 4.09 (ddd, <i>J</i>=11.7, 9.1, 2.9 Hz, 1 H), 3.67 (dt, <i>J</i>=12.7, 3.4 Hz, 1 H), 3.43 (dd, <i>J</i>=13.3, 6.0 Hz, 1 H), 3.24 - 3.33 (m, 1 H), 3.21 (dd, <i>J</i>=13.5, 7.6 Hz, 1 H), 3.10 (ddd, <i>J</i>=12.8, 4.3, 1.7 Hz, 1 H), 2.89 (d, <i>J</i>=12.5 Hz, 1 H), 2.22 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 139.82, 139.70, 139.64, 135.47, 135.42, 133.97, 133.42, 133.16, 130.09, 129.34, 129.04, 128.85, 128.49, 128.13, 127.33, 126.29, 60.88, 59.29, 59.17, 56.11, 41.91. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₅H₂₇N₂O₃S, 505.1114; found, 505.1123.</p>
	<p>(E)-N-(2-(((3-(3,4-Dichlorophenyl)allyl)(methylamino)methyl)phenyl)-N-(2-hydroxyethyl)-4-methylbenzenesulfonamide (45)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 3:7 to EtOAc/Hexane 1:0 affording an off-white powder (48 mg, 44%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.42 - 7.58 (m, 3 H), 7.22 - 7.42 (m, 6 H), 7.17 (t, <i>J</i>=7.2 Hz, 1 H), 6.45 - 6.57 (m, 2 H), 6.42 (d, <i>J</i>=7.6 Hz, 1 H), 4.99 (d, <i>J</i>=12.2 Hz, 1 H), 4.09 (t, <i>J</i>=8.1 Hz, 1 H), 3.66 (d, <i>J</i>=12.5 Hz, 1 H), 3.43 (dd, <i>J</i>=13.45, 3.9 Hz, 1 H), 3.13 - 3.34 (m, 2 H), 3.07 (d, <i>J</i>=11.0 Hz, 1 H), 2.87 (d, <i>J</i>=12.2 Hz, 1 H), 2.44 (s, 3 H), 2.21 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 144.06, 140.02, 139.61, 137.11, 134.00, 133.73, 132.70, 131.89, 131.34, 130.61, 129.63, 128.93, 128.77, 128.73, 128.26, 128.04, 127.50, 126.03, 60.77, 59.36, 59.27, 55.93, 41.96, 21.81. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₂₉Cl₂N₂O₃S, 519.1270; found, 519.1286.</p>
	<p>2-(4-Chlorophenoxy)-N-(2-(((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacetamide (46)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 7:3 affording a white powder (56 mg, 51%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.49 (d, <i>J</i>=8.3 Hz, 2 H), 7.41 (d, <i>J</i>=8.3 Hz, 2 H), 7.25 - 7.36 (m, 2.5 H), 7.11 - 7.25 (m, 2 H), 7.08 (d, <i>J</i>=7.6 Hz, 0.5 H), 7.00 (d, <i>J</i>=8.8 Hz, 1.5 H), 6.84 (d, <i>J</i>=8.8 Hz, 0.5 H), 6.47 - 6.58 (m, 1 H), 5.01 (s, 1 H), 4.66 - 4.98 (m, 4 H), 3.73 - 3.92 (m, 1 H), 3.35 - 3.47 (m, 1 H), 3.24 - 3.35 (m, 1 H), 3.13 - 3.24 (m, 1 H), 2.95 (s, 2 H), 2.84 (s, 1 H), 2.40 (s, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 168.59, 168.24, 157.72, 157.67, 144.50, 144.35, 139.42, 139.10, 138.57, 138.52, 135.40, 135.05, 130.45, 130.42, 129.78, 129.75, 129.57, 129.11, 128.59, 128.52, 128.48, 128.37, 128.14, 128.13, 127.39, 126.79, 125.18, 117.18, 117.01, 66.62, 66.51, 59.39, 59.28, 54.57, 54.48, 49.32, 47.55, 34.48, 34.44, 21.76. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₅H₂₈ClN₂O₅S, 503.1402; found, 503.1426.</p>
	<p>3-(4-Chlorophenyl)-N-(2-(((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylpropanamide (47)</p> <p>This compound was prepared by the same procedure for 6 and was purified with silica gel column chromatography EtOAc/Hexane 7:3 affording an off-white powder (228 mg, 83%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.49 (m, <i>J</i>=7.1 Hz, 2 H), 7.40 (m, <i>J</i>=7.6 Hz, 2 H), 7.32 (br. s., 2.5 H), 7.21 - 7.28 (m, 1.5 H), 7.06 - 7.21 (m, 2 H), 6.89 (d, <i>J</i>=6.6 Hz, 1 H), 6.52 (t, <i>J</i>=6.5 Hz, 1 H), 4.72 - 4.96 (m, 2 H), 4.59 - 4.72 (m, 1 H), 3.73 - 3.94 (m, 1 H), 3.35 - 3.49 (m, 1 H), 3.22 - 3.31 (m, 1 H), 3.09 - 3.22 (m, 1 H), 2.70 - 2.94 (m, 6 H), 2.52 - 2.63 (m, 1 H), 2.39 (br. s., 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 172.68, 172.45, 144.46, 144.33, 141.27, 141.13, 139.88, 139.46, 138.47, 138.40, 135.45, 135.15, 131.18, 131.15, 131.11, 130.96, 130.44, 130.42, 129.42, 129.01, 128.83, 128.79, 128.47, 128.37, 128.11, 127.96, 127.38, 126.38, 59.36, 59.26, 54.56, 54.45, 50.03, 47.37, 35.69, 34.43, 34.28, 34.08, 30.73, 30.65, 21.75. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₃₀ClN₂O₄S, 501.1609; found, 501.1618.</p>

	<p>(E)-3-(5-(4-Chlorophenyl)furan-2-yl)-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacrylamide (48)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a light-yellow powder (151 mg, 71%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.87 (d, <i>J</i>=8.6 Hz, 1 H), 7.73 (d, <i>J</i>=8.6 Hz, 1 H), 7.47 - 7.63 (m, 3 H), 7.26 - 7.47 (m, 4 H), 6.99 - 7.23 (m, 5 H), 6.84 - 6.96 (m, 1 H), 6.48 - 6.67 (m, 1 H), 5.16 - 5.34 (m, 0.5 H), 5.00 - 5.16 (m, 0.5 H), 4.89 - 4.99 (m, 1 H), 4.77 - 4.89 (m, 1 H), 3.73 - 3.96 (m, 1 H), 3.40 - 3.59 (m, 1 H), 3.17 - 3.28 (m, 1 H), 3.14 (s, 1.5 H), 3.04 (s, 1.5 H), 2.28 - 2.46 (m, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.73, 154.10, 153.91, 151.95, 151.72, 144.60, 144.36, 140.27, 139.85, 138.52, 138.33, 135.43, 135.10, 133.41, 133.12, 130.50, 130.44, 129.73, 129.39, 129.24, 129.19, 129.11, 129.00, 128.64, 128.40, 128.16, 128.07, 126.46, 126.32, 117.63, 116.22, 115.77, 109.88, 59.53, 59.32, 54.58, 50.67, 47.98, 36.01, 35.58, 21.77. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₃₀H₃₀ClN₂O₅S, 565.1558; found, 565.1560.</p>
	<p>(E)-N-(2-((N-(2-Hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methyl-3-(pyridin-3-yl)acrylamide (49)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Methanol 1:0 to EtOAc/Methanol 95:5 affording an off yellow powder (93 mg, 34%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 8.91 (d, <i>J</i>=1.5 Hz, 0.5 H), 8.75 (d, <i>J</i>=1.5 Hz, 0.5 H), 8.55 (dd, <i>J</i>=4.7, 1.2 Hz, 0.5 H), 8.48 (dd, <i>J</i>=4.7, 1.2 Hz, 0.5 H), 8.21 (d, <i>J</i>=8.1 Hz, 0.5 H), 7.97 (d, <i>J</i>=8.1 Hz, 0.5 H), 7.56 - 7.67 (m, 1 H), 7.38 - 7.56 (m, 5 H), 7.26 - 7.38 (m, 1.5 H), 7.01 - 7.25 (m, 2.5 H), 6.55 (t, <i>J</i>=6.9 Hz, 1 H), 5.00 - 5.24 (m, 1 H), 4.88 - 5.00 (m, 1 H), 4.68 - 4.88 (m, 1 H), 3.74 - 3.95 (m, 1 H), 3.38 - 3.56 (m, 1 H), 3.16 - 3.26 (m, 1 H), 3.13 (s, 1.5 H), 2.99 (s, 1.5 H), 2.40 (s, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 166.42, 166.38, 150.72, 150.69, 150.11, 149.90, 144.33, 144.15, 139.80, 139.55, 138.86, 138.82, 138.26, 138.00, 135.10, 135.03, 134.79, 134.67, 131.38, 131.20, 130.28, 130.22, 129.42, 128.97, 128.31, 128.26, 128.18, 127.88, 127.15, 126.46, 124.29, 120.95, 120.39, 59.23, 59.03, 54.43, 54.24, 50.14, 47.65, 40.60, 40.40, 40.19, 39.98, 39.77, 39.56, 39.35, 35.75, 35.07, 21.55. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₅H₂₈N₃O₄S, 466.1795; found, 466.1807.</p>
	<p>(E)-3-(Furan-2-yl)-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacrylamide (50)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a yellow powder (69 mg, 63%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.80 (s, 0.5 H), 7.68 (s, 0.5 H), 7.47 - 7.63 (m, 2 H), 7.38 - 7.46 (m, 3 H), 7.27 - 7.38 (m, 1 H), 7.11 - 7.24 (m, 1 H), 7.08 (d, <i>J</i>=7.6 Hz, 0.5 H), 7.03 (d, <i>J</i>=7.6 Hz, 0.5 H), 6.93 - 6.99 (m, 0.5 H), 6.89 (d, <i>J</i>=3.18 Hz, 0.5 H), 6.80 (d, <i>J</i>=3.2 Hz, 0.5 H), 6.67 - 6.73 (m, 0.5 H), 6.51 - 6.64 (m, 2 H), 5.00 - 5.11 (m, 1 H), 4.88 - 4.99 (m, 1 H), 4.74 - 4.88 (m, 1 H), 3.73 - 3.96 (m, 1 H), 3.37 - 3.54 (m, 1 H), 3.13 - 3.26 (m, 1 H), 3.08 (s, 1.5 H), 2.94 (s, 1.5 H), 2.41 (s, 3 H). ¹³C NMR (125 MHz, DMSO-<i>d</i>₆) δ ppm 166.74, 166.69, 151.93, 151.74, 145.68, 145.61, 144.50, 144.36, 139.86, 138.49, 138.33, 135.43, 135.20, 130.48, 130.43, 129.75, 129.62, 129.18, 128.49, 128.39, 128.14, 128.06, 127.45, 126.54, 115.94, 115.51, 114.99, 114.83, 113.25, 113.14, 59.45, 59.29, 54.63, 54.48, 50.13, 47.91, 35.93, 34.97, 21.75. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₄H₂₈N₂O₅S, 455.1635; found, 455.1658.</p>

	<p>(E)-3-(5-Bromothiophen-2-yl)-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacrylamide (51)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording a white powder (62 mg, 56%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.57 - 7.82 (m, 2 H), 7.47 - 7.57 (m, 2 H), 7.38 - 7.47 (m, 3 H), 7.27 - 7.38 (m, 1 H), 7.12 - 7.22 (m, 1 H), 6.90 - 7.11 (m, 1 H), 6.71 - 6.90 (m, 1 H), 6.54 (t, <i>J</i>=8.3 Hz, 1 H), 5.05 (s, 1 H), 4.85 - 4.95 (m, 1 H), 4.76 - 4.85 (m, 1 H), 3.74 - 3.94 (m, 1 H), 3.37 - 3.54 (m, 1 H), 3.14 - 3.25 (m, 1 H), 3.08 (s, 1.5 H), 2.98 (s, 1.5 H), 2.41 (s, 3 H). ¹³C NMR (125 MHz, DMSO-<i>d</i>₆) δ ppm 166.38, 144.53, 144.36, 141.91, 141.81, 139.98, 139.72, 138.50, 138.21, 135.40, 135.08, 134.04, 133.92, 132.39, 132.36, 130.48, 130.43, 129.65, 129.19, 128.51, 128.47, 128.45, 128.39, 128.15, 128.09, 127.41, 126.54, 126.42, 126.38, 119.10, 118.59, 110.49, 110.36, 59.46, 59.29, 54.67, 54.47, 50.38, 47.93, 35.94, 35.34, 21.77. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₄H₂₇BrN₂O₄S₂, 549.0512; found, 549.0536.</p>
	<p>6-Bromo-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methyl-2-naphthamide (52)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 7:3 affording a white powder (73 mg, 68%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 8.23 (br. s., 1.5H), 7.82 - 8.10 (m, 2.5 H), 7.59 - 7.76 (m, 2 H), 7.53 (d, <i>J</i>=7.8 Hz, 1 H), 7.28 - 7.48 (m, 5 H), 7.21 (br. s., 1 H), 6.59 (d, <i>J</i>=7.8 Hz, 0.5 H), 6.50 (d, <i>J</i>=6.6 Hz, 0.5 H), 5.00 - 5.15 (m, 0.5 H), 4.86 - 5.00 (m, 0.5 H), 4.67 (br. s., 2 H), 3.62 - 3.98 (m, 1 H), 3.03 - 3.50 (m, 3 H), 2.79 - 2.99 (m, 3 H), 2.42 (br. s., 1.5 H), 2.35 (br. s., 1.5 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 171.33, 144.38, 139.39, 138.78, 135.48, 134.92, 131.55, 131.24, 130.45, 130.31, 129.52, 129.42, 128.42, 128.28, 128.01, 127.42, 127.18, 126.89, 126.43, 59.33, 54.60, 51.46, 47.26, 37.96, 33.57, 21.70. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₈H₂₈BrN₂O₄S, 567.0948; found, 567.0962.</p>
	<p>4-Chloro-N-(2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylbenzamide (53)</p> <p>This compound was prepared by the same procedure for 6 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 7:3 affording a white powder (101 mg, 93%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.48 - 7.64 (m, 3.5 H), 7.34 - 7.48 (m, 5.5 H), 7.24 - 7.34 (m, 1 H), 7.19 (t, <i>J</i>=7.5 Hz, 1 H), 6.44 - 6.61 (m, 1 H), 4.94 - 5.11 (m, 0.5 H), 4.74 - 4.94 (m, 1.5 H), 4.60 - 4.74 (m, 1 H), 3.67 - 3.92 (m, 1 H), 3.37 - 3.48 (m, 1 H), 3.25 - 3.37 (m, 1 H), 3.05 - 3.25 (m, 1 H), 2.73 - 2.95 (m, 3 H), 2.29 - 2.45 (m, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 170.77, 170.42, 144.17, 139.05, 138.84, 138.48, 138.17, 135.59, 135.40, 135.10, 134.80, 134.63, 130.23, 129.47, 129.37, 129.15, 128.97, 128.33, 128.17, 128.02, 127.94, 127.16, 126.89, 59.03, 54.26, 51.25, 47.03, 37.63, 33.31, 21.53. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₄H₂₆N₂O₄S, 473.1296; found, 473.1305.</p>
	<p>N-(2-((Benzyl(methyl)amino)methyl)phenyl)-N-(2-hydroxyethyl)-4-(trifluoromethyl)benzenesulfonamide (54)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 1:0 affording an off yellow powder (98 mg, 35%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.65 - 7.81 (m, 4 H), 7.37 - 7.46 (m, 4 H), 7.24 - 7.37 (m, 4 H), 7.18 (td, <i>J</i>=7.6, 1.5 Hz, 1 H), 6.37 (d, <i>J</i>=7.8 Hz, 1 H), 4.83 - 5.05 (m, 1 H), 4.02 - 4.23 (m, 1 H), 3.79 - 3.97 (m, 1 H), 3.64 - 3.74 (m, 1 H), 3.57 - 3.64 (m, 1 H), 3.23 - 3.35 (m, 1 H), 3.05 - 3.20 (m, 1 H), 2.91 (s, 1 H), 2.14 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 140.61, 139.56, 139.36, 135.80, 134.70, 134.18, 130.57, 129.15, 129.04, 128.66, 128.60, 127.94, 127.36, 126.15, 126.12, 124.53, 122.36, 63.49, 59.38, 59.15, 56.12, 41.43. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₄H₂₆N₂O₃S, 479.1611; found, 479.1617.</p>

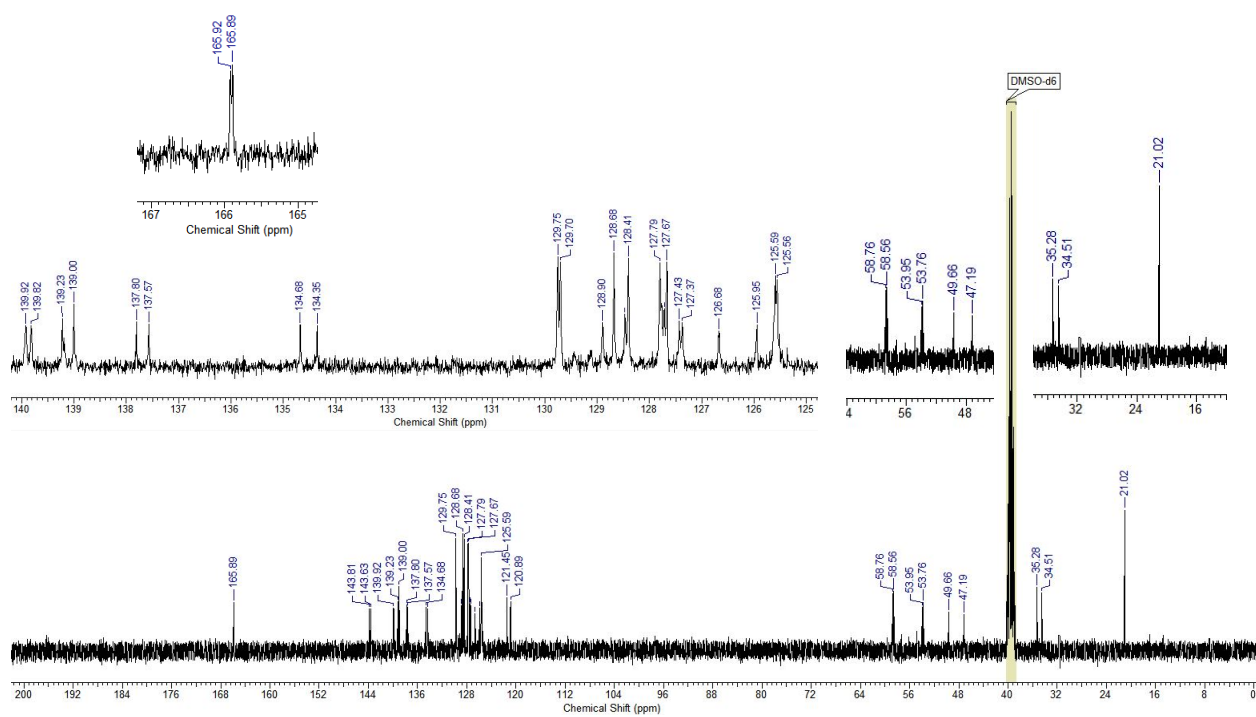
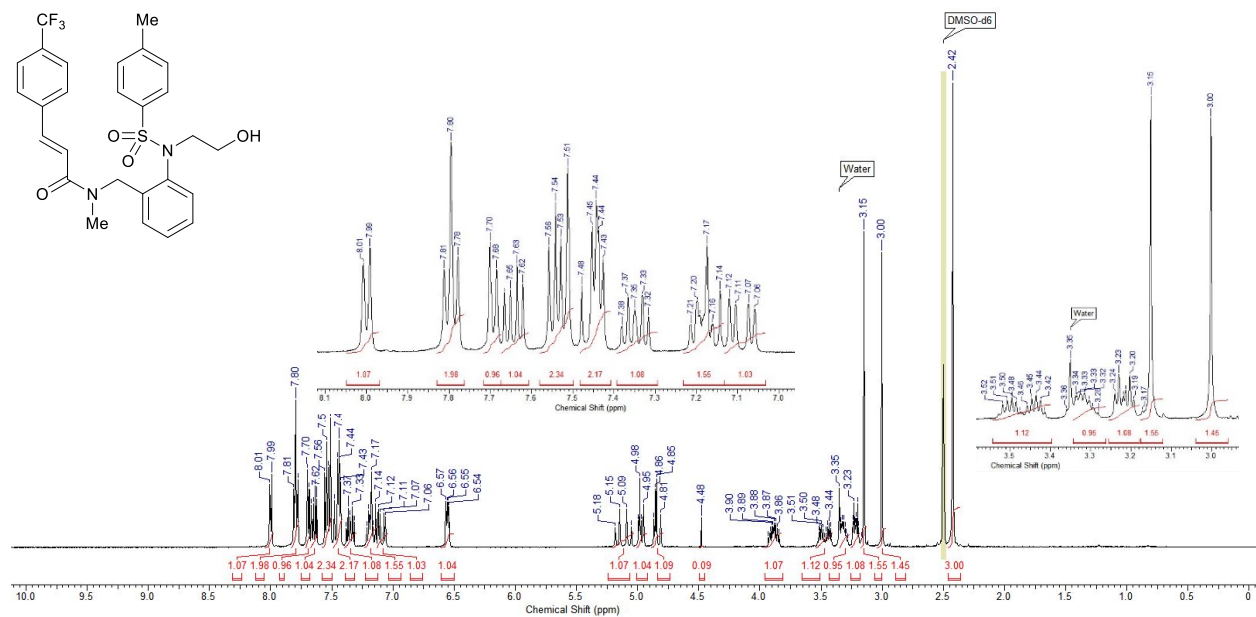
	<p><i>N</i>-(2-((Allyl(methyl)amino)methyl)phenyl)-4-chloro-<i>N</i>-(2-hydroxyethyl)benzenesulfonamide (55)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 1:0 affording a white powder (306 mg, 91%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.46 - 7.53 (m, 2 H), 7.41 (dd, <i>J</i>=8.9, 2.1 Hz, 2 H), 7.24 - 7.29 (m, 1 H), 7.19 - 7.24 (m, 1 H), 7.12 (td, <i>J</i>=7.6, 1.6 Hz, 1 H), 6.37 (d, <i>J</i>=7.8 Hz, 1 H), 5.86 - 6.04 (m, 1 H), 5.12 - 5.25 (m, 2 H), 4.82 (d, <i>J</i>=12.2 Hz, 1 H), 3.93 - 4.05 (m, 1 H), 3.44 - 3.61 (m, 1 H), 3.09 - 3.24 (m, 2 H), 2.92 - 3.08 (m, 2 H), 2.74 - 2.86 (m, 1 H), 2.12 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 139.71, 139.58, 139.47, 135.50, 133.94, 133.88, 130.03, 129.33, 129.01, 128.47, 127.28, 119.60, 61.19, 59.06, 59.00, 55.93, 41.58. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₁₉H₂₄ClN₂O₃S, 395.1191; found, 395.1215.</p>
	<p><i>N</i>-(2-((Allyl(isopropyl)amino)methyl)phenyl)-<i>N</i>-(2-hydroxyethyl)-4-methoxybenzenesulfonamide (56)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 1:0 affording a white powder (202 mg, 48%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.47 - 7.59 (m, 2 H), 7.32 (d, <i>J</i>=7.6 Hz, 1 H), 7.19 - 7.29 (m, 2 H), 7.09 - 7.19 (m, 1 H), 6.86 - 7.02 (m, 2 H), 6.38 (d, <i>J</i>=8.1 Hz, 1 H), 5.85 - 6.03 (m, 1 H), 5.10 - 5.25 (m, 2 H), 4.91 (d, <i>J</i>=12.5 Hz, 1 H), 3.99 - 4.17 (m, 1 H), 3.88 (d, <i>J</i>=1.2 Hz, 3 H), 3.57 - 3.71 (m, 1 H), 3.18 - 3.34 (m, 2 H), 3.09 - 3.18 (m, 1 H), 2.95 - 3.09 (m, 2 H), 2.81 - 2.95 (m, 1 H), 1.34 (d, <i>J</i>=6.6 Hz, 3 H), 1.08 (d, <i>J</i>=6.6 Hz, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 163.34, 140.13, 135.20, 134.28, 130.84, 128.63, 127.57, 128.52, 128.03, 118.45, 114.08, 59.17, 55.84, 55.75, 53.25, 50.63, 49.79, 20.46, 14.04. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₂H₃₁N₂O₄S, 419.1999; found, 419.2021.</p>
	<p><i>N</i>-(2-((Allyl(methyl)amino)methyl)phenyl)-<i>N</i>-(2-hydroxyethyl)-4-methylbenzenesulfonamide (57)</p> <p>This compound was prepared by the same procedure for 12 and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 1:1 to EtOAc/Hexane 1:0 affording an off-white powder (95 mg, 33%). ¹H NMR (500 MHz, CDCl₃) δ ppm 7.54 (br. s., 1 H), 7.51 (d, <i>J</i>=8.1 Hz, 2 H), 7.21 - 7.33 (m, 4 H), 7.17 (td, <i>J</i>=7.6, 1.7 Hz, 1 H), 6.44 (d, <i>J</i>=7.8 Hz, 1 H), 5.94 - 6.15 (m, 1 H), 5.28 (s, 1 H), 5.25 (d, <i>J</i>=4.9 Hz, 1 H), 4.91 (d, <i>J</i>=12.2 Hz, 1 H), 3.94 - 4.12 (m, 1 H), 3.56 - 3.76 (m, 1 H), 3.16 - 3.39 (m, 2 H), 2.97 - 3.15 (m, 2 H), 2.76 - 2.96 (m, 1 H), 2.45 (s, 3 H), 2.19 (s, 3 H). ¹³C NMR (125 MHz, CDCl₃) δ ppm 143.99, 140.12, 139.66, 134.17, 134.03, 133.73, 129.61, 128.84, 128.75, 128.18, 127.54, 119.56, 61.24, 59.47, 59.17, 55.98, 41.60, 21.80. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₀H₂₇N₂O₃S, 375.1742; found, 375.1767.</p>
	<p>(<i>E</i>)-<i>N</i>-(3-(4-Chlorophenyl)allyl)-2-((<i>N</i>-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)-<i>N</i>-methylbenzamide (58)</p> <p>This compound was prepared by the same procedure for 6 starting from anthranilic acid and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording white flakes (95 mg, 29%). ¹H NMR (500 MHz, DMSO-<i>d</i>₆) δ ppm 7.33 - 7.57 (m, 11 H), 6.57 - 6.84 (m, 2 H), 6.22 - 6.51 (m, 1 H), 5.24 - 5.47 (m, 1 H), 4.33 - 4.57 (m, 1 H), 3.99 - 4.23 (m, 1 H), 3.71 - 3.92 (m, 1 H), 3.36 - 3.48 (m, 1 H), 3.11 - 3.31 (m, 2 H), 3.00 (s, 1.5 H), 2.95 (s, 1.5 H), 2.39 (d, <i>J</i>=3.9 Hz, 3 H). ¹³C NMR (100 MHz, DMSO-<i>d</i>₆) δ ppm 170.23, 169.89, 144.47, 138.49, 138.38, 137.16, 137.10, 136.35, 135.98, 135.15, 135.00, 132.84, 132.53, 131.92, 130.97, 130.87, 130.44, 130.36, 129.30, 129.23, 128.97, 128.89, 128.83, 128.78, 128.63, 128.47, 128.42, 128.11, 126.97, 126.04, 59.16, 54.91, 54.22, 49.16, 37.89, 32.89, 21.75. HRMS (<i>m/z</i>): [M + H]⁺, calcd for C₂₆H₂₈ClN₂O₄S, 499.1453; found, 499.1471.</p>



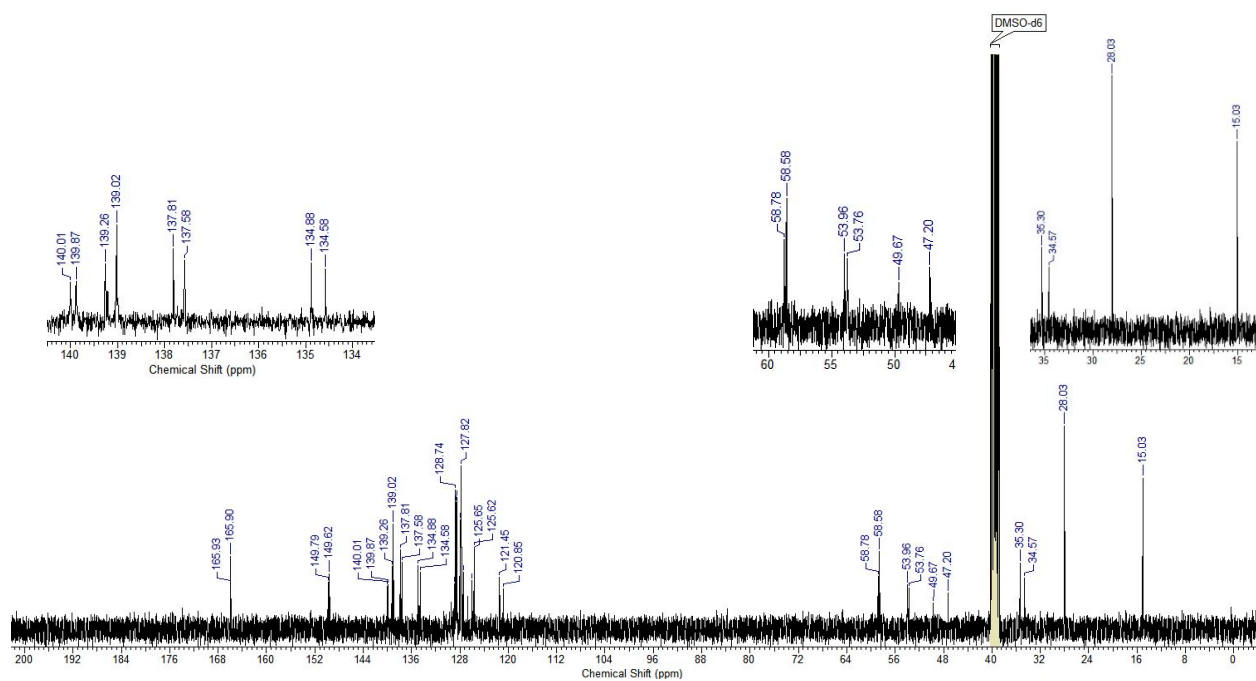
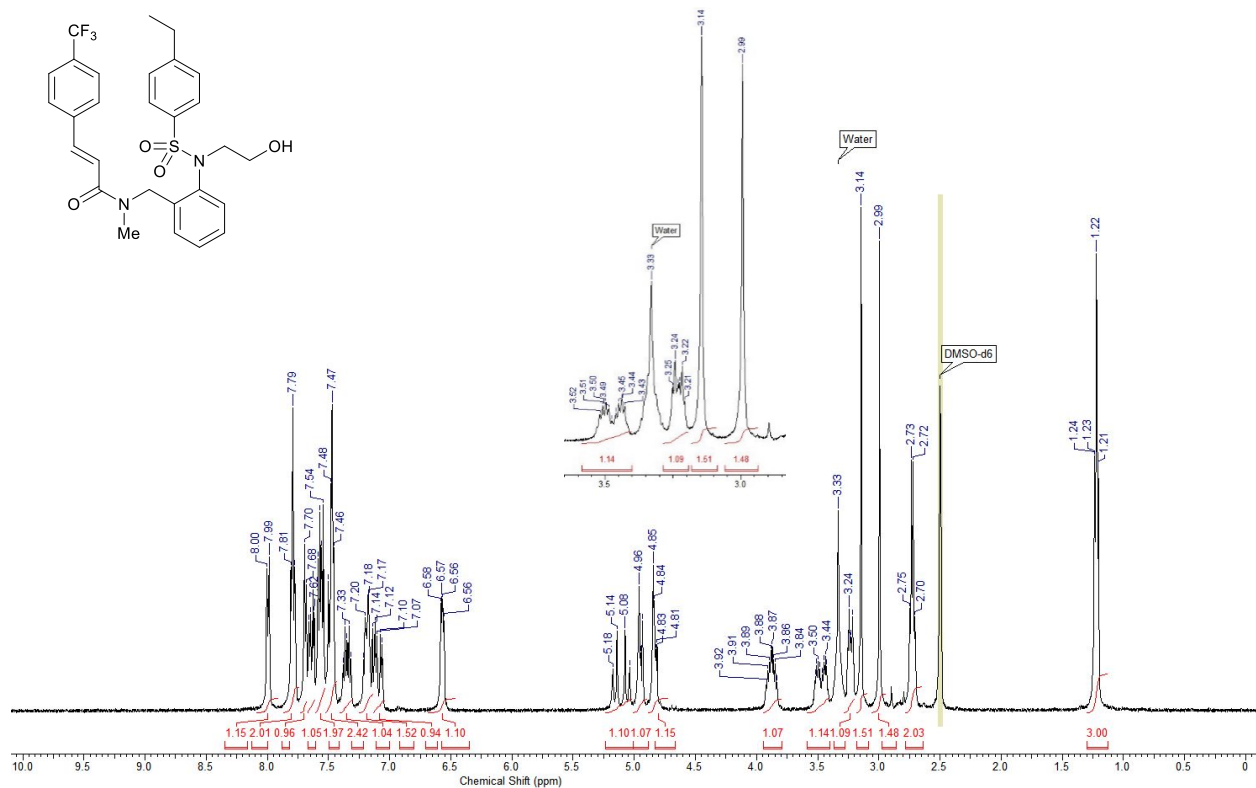
(E)-N-(3-((N-(2-Hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (59)

This compound was prepared by the same procedure for **6** starting from 3-aminobenzyl alcohol and was purified with a gradient silica gel column chromatography from EtOAc/Hexane 7:3 to EtOAc/Hexane 1:0 affording an off-white powder (78 mg, 68%). ¹H NMR (500 MHz, DMSO-*d*₆) δ ppm 7.97 (d, *J*=8.1 Hz, 1 H), 7.89 (d, *J*=8.1 Hz, 1 H), 7.76 (d, *J*=8.1 Hz, 1 H), 7.71 (d, *J*=8.3 Hz, 1 H), 7.59 (t, *J*=15.0 Hz, 1 H), 7.36 - 7.47 (m, 3 H), 7.25 - 7.36 (m, 3 H), 7.14 - 7.25 (m, 1 H), 7.01 (d, *J*=5.4 Hz, 1 H), 6.80 - 6.92 (m, 1 H), 4.65 - 4.86 (m, 2 H), 4.56 (s, 1 H), 3.45 - 3.65 (m, 2 H), 3.25 - 3.42 (m, 2 H), 3.04 (s, 1.5 H), 2.83 (s, 1.5 H), 2.31 (s, 1.5 H), 2.27 (s, 1.5 H). ¹³C NMR (100 MHz, DMSO-*d*₆) δ ppm 166.16, 140.50, 140.41, 140.33, 139.86, 139.63, 139.29, 135.89, 135.78, 130.29, 129.98, 129.89, 129.78, 129.41, 129.33, 128.31, 128.24, 128.05, 127.96, 127.88, 127.42, 127.09, 126.31, 126.27, 126.23, 126.18, 123.48, 122.02, 121.95, 59.54, 59.48, 53.33, 52.66, 50.67, 35.39, 34.47, 21.63, 140.64, 144.03, 144.07, 165.98, HRMS (*m/z*): [M + H]⁺, calcd for C₂₇H₂₈F₃N₂O₄S, 533.1716; found, 533.1701.

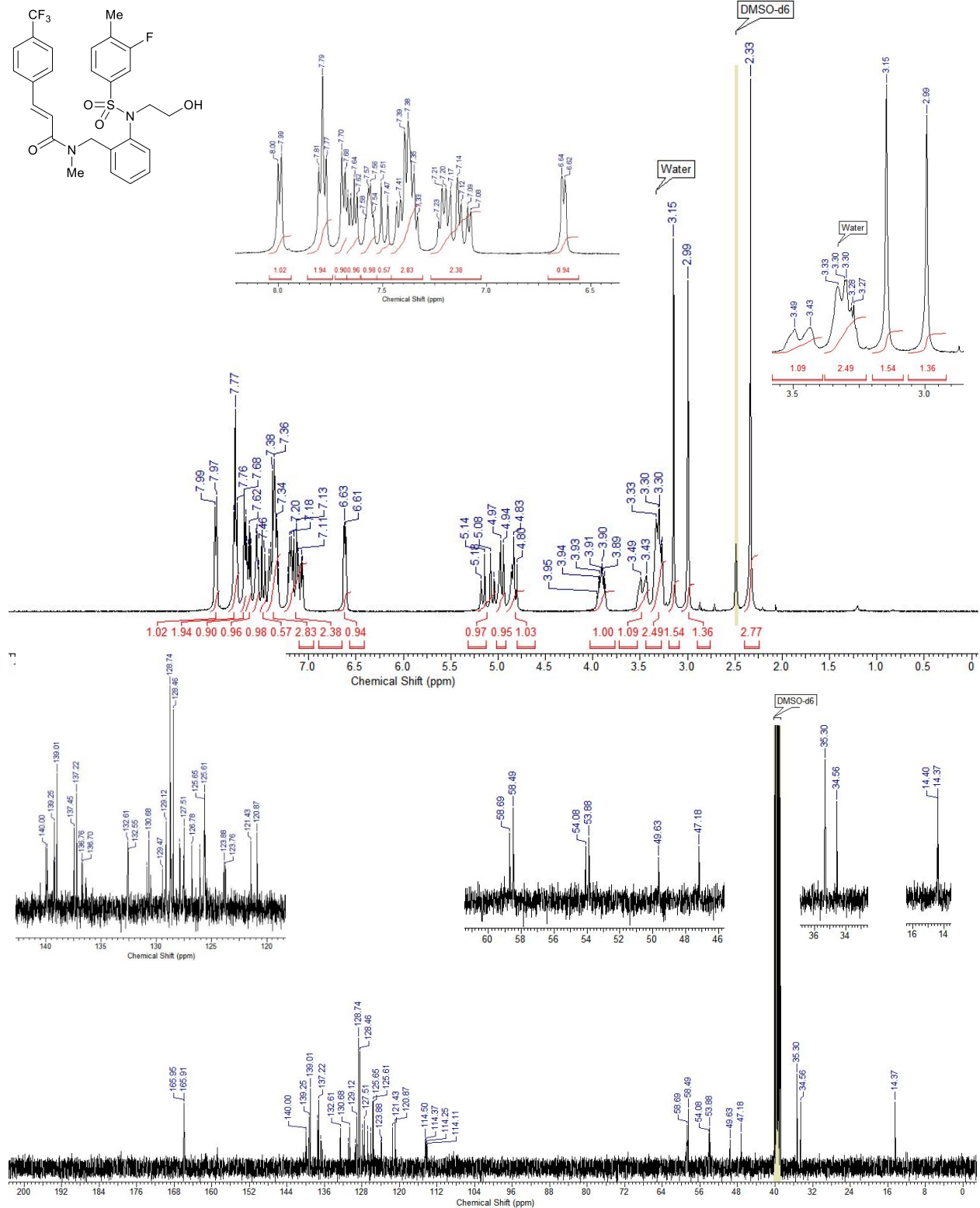
(E)-N-(2-((N-(2-Hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (6)



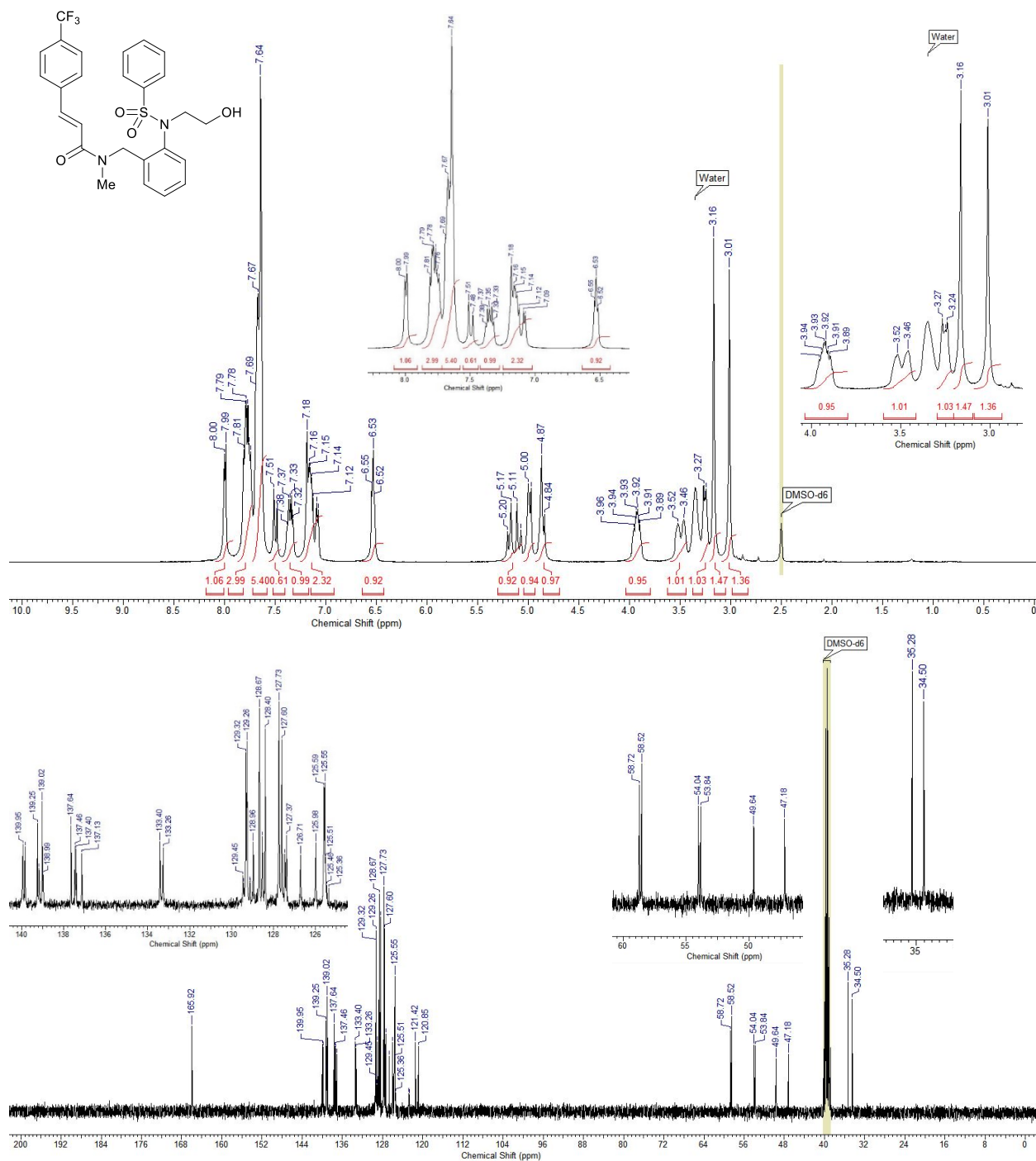
(E)-N-(2-((4-Ethyl-N-(2-hydroxyethyl)phenyl)sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (13)



(E)-N-(2-((3-Fluoro-N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (14)



(E)-N-(2-(N-(2-Hydroxyethyl)phenylsulfonamido)benzyl)-N-methyl-3-(4-(trifluoromethyl)phenyl)acrylamide (15)



(E)-3-(4-Chlorophenyl)-N-2-((N-(2-hydroxyethyl)-4-methylphenyl)sulfonamido)benzyl)-N-methylacrylamide (16)

