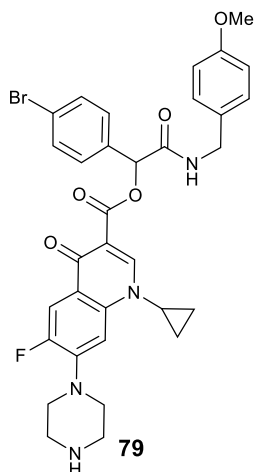


9.5.16. Synteza 1-(4-bromophenyl)-2-((4-methoxybenzyl)amino)-2-oxoethyl 1-cyclopropyl-6-fluoro-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylate

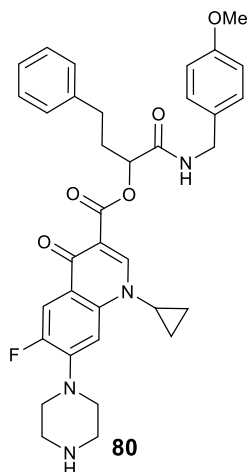


^1H NMR (400 MHz, CDCl_3) δ ppm= 14.91 (s, 1H), 8.71 (s, 1H), 7.96 (d, J = 13.0 Hz, 1H), 7.53 – 7.45 (m, 2H), 7.33 – 7.20 (m, 2H), 7.18 – 7.13 (m, 2H), 7.10 (s, 1H), 6.89 – 6.81 (m, 2H), 4.48 – 4.32 (m, 2H), 3.95 (s, 1H), 3.80 (s, 3H), 3.54 – 3.43 (m, 1H), 3.35 – 3.25 (m, 4H), 2.69 – 2.60 (m, 4H), 1.62 (s, 1H), 1.41 – 1.31 (m, 2H), 1.21 – 1.13 (m, 2H).

^{13}C NMR (100 MHz; CDCl_3) δ ppm= 177.0, 166.9, 159.0, 154.8, 152.3, 147.3, 139.0, 130.7, 129.1, 114.1, 112.4, 112.1, 108.0, 104.8, 69.3, 55.3, 49.9, 49.9, 42.7, 35.3, 31.9, 28.4, 26.2, 26.2, 22.5, 14.0, 8.2.

HRMS obliczone dla $\text{C}_{32}\text{H}_{32}\text{BrFN}_4\text{O}_5\text{Na}$ $[\text{M} + \text{Na}]^+$: 685.1438, znalezienie: 685.1431

9.5.17. Synteza 1-((4-methoxybenzyl)amino)-1-oxo-4-phenylbutan-2-yl 1-cyclopropyl-6-fluoro-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylate



^1H NMR (400 MHz, CDCl_3) δ ppm= 14.95 (s, 1H), 8.72 (s, 1H), 7.97 (d, J = 13.0 Hz, 1H), 7.31 – 7.15 (m, 8H), 6.98 (s, 1H), 6.89 – 6.82 (m, 2H), 4.52 – 4.32 (m, 2H), 3.78 (s, 3H), 3.51 (s, 1H), 3.36 – 3.17 (m, 4H), 3.06 – 3.00 (m, 1H), 2.90 – 2.63 (m, 6H), 2.09 – 2.00 (m, 2H), 1.41 – 1.33 (m, 2H), 1.21 – 1.15 (m, 2H).

^{13}C NMR (100 MHz; CDCl_3) δ ppm= 166.9, 159.1, 147.4, 141.5, 130.6, 129.1, 128.5, 128.4, 126.1, 114.2, 108.2, 68.1, 55.3, 50.0, 49.7, 42.8, 35.2, 32.9, 29.4, 8.2.

HRMS obliczone dla $\text{C}_{35}\text{H}_{37}\text{FN}_4\text{O}_5\text{Na}$ $[\text{M} + \text{Na}]^+$: 635.2646, znalezienie: 635.2646