

FIG. 6FFF

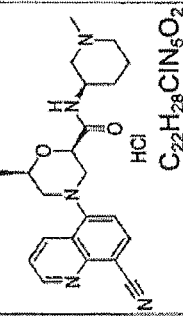
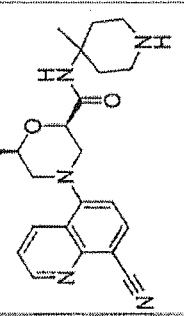
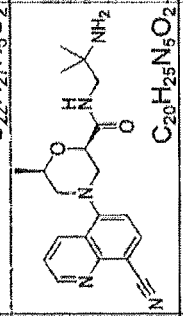
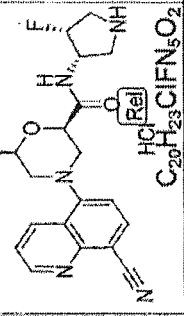
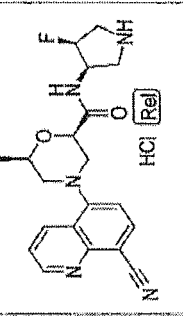
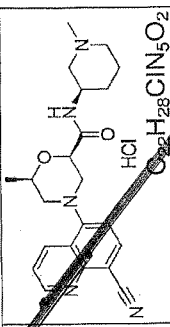
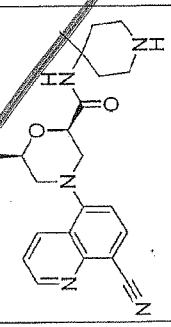
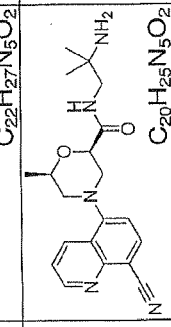
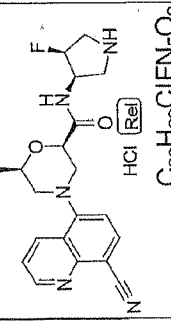
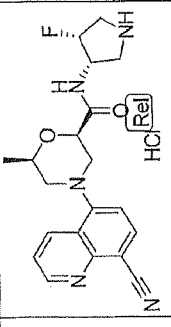
ER-899688	 C ₂₂ H ₂₈ ClN ₅ O ₂	393.49	0.0082	> 10.0	(2R,6R)-4-(8-cyanoquinolin-5-yl)-6-methyl-N-((R)-1-methylpiperidin-3-yl)morpholine-2-carboxamide hydrochloride	¹ H NMR (400 MHz, METHANOL-d ₄) δ ppm 1.34 (d, J=6.20 Hz, 3 H) 1.38 - 1.52 (m, 1 H) 1.63 (m, 1 H) 1.69 - 1.86 (m, 2 H) 2.19 (br s, 2 H) 2.29 (s, 3 H) 2.58 (br s, 1 H) 2.67 - 2.87 (m, 3 H) 3.40 (d, J=12.07 Hz, 1 H) 3.70 (dt, J=1.96, 2.24 Hz, 1 H) 3.93 - 4.06 (m, 1 H) 4.07 - 4.23 (m, 1 H) 4.47 (dd, J=10.79, 2.67 Hz, 1 H) 7.27 (d, J=7.90 Hz, 1 H) 7.66 (dd, J=8.55, 4.27 Hz, 1 H) 8.15 (d, J=8.12 Hz, 1 H) 8.67 (dd, J=8.55, 1.50 Hz, 1 H) 8.99 (dd, J=4.27, 1.50 Hz, 1 H)	LCMS (ESI ⁺) calcd for C ₂₂ H ₂₇ N ₅ O ₂ (M+H ⁺): 394.22; found: 394.28
ER-899718	 C ₂₂ H ₂₇ N ₅ O ₂	393.49	0.0030	> 10.0	(2R,6R)-4-(8-cyanoquinolin-5-yl)-6-methyl-N-((4-methylpiperidin-4-yl)morpholine-2-carboxamide	¹ H NMR (400 MHz, CHLOROFORM-d) δ ppm 1.20 - 1.37 (m, 5 H) 1.46 (s, 3 H) 1.87 - 2.00 (m, 2 H) 2.39 (d, J=12.51 Hz, 2 H) 2.65 - 2.80 (m, 2 H) 2.97 - 3.15 (m, 3 H) 3.17 - 3.33 (m, 3 H) 3.46 (s, 2 H) 3.75 (d, J=12.02 Hz, 1 H) 4.04 - 4.16 (m, 1 H) 4.35 (dd, J=10.72, 2.56 Hz, 1 H) 6.42 (s, 1 H) 7.10 (d, J=8.01 Hz, 1 H) 7.52 (dd, J=8.55, 4.23 Hz, 1 H) 8.03 (d, J=7.97 Hz, 1 H) 8.46 (dd, J=8.56, 1.62 Hz, 1 H) 9.06 (dd, J=4.20, 1.60 Hz, 1 H)	LCMS (ESI ⁺) calcd for C ₂₂ H ₂₇ N ₅ O ₂ (M+H ⁺): 394.22; found: 393.9
ER-899722	 C ₂₆ H ₂₅ N ₅ O ₂	387.45	0.0040	> 10.0	(2R,6R)-N-(2-amino-2-methylpropyl)-4-(8-cyanoquinolin-5-yl)-6-methylmorpholine-2-carboxamide	¹ H NMR (400 MHz, METHANOL-d ₄) δ ppm 1.07 (d, 7 H) 1.25 - 1.36 (m, 3 H) 2.64 - 2.86 (m, 3 H) 3.18 (d, 2 H) 3.36 (dt, 1 H) 3.68 (dt, 1 H) 4.13 (m, 1 H) 4.50 (dd, 1 H) 7.23 (d, 1 H) 7.62 (dd, 1 H) 11 (d, 1 H) 8.63 (dd, 1 H) 8.94 (dd, 1 H)	LCMS (ESI ⁺) calcd for C ₂₀ H ₂₅ N ₅ O ₂ (M+H ⁺): 368.20; found: 368.2
ER-899742	 C ₂₉ H ₂₃ ClF ₂ N ₅ O ₂	419.89	0.0059	> 10.0	rel-(2R,6R)-4-(8-cyanoquinolin-5-yl)-N-((3S,4R)-4-fluoropropylidene-3-yl)-6-methylmorpholine-2-carboxamide hydrochloride	¹ H NMR (400 MHz, METHANOL-d ₄) δ ppm 1.36 (d, 4 H) 2.59 - 2.80 (m, 1 H) 2.86 (t, 1 H) 3.35 (m, 1 H) 3.38 - 3.48 (m, 1 H) 3.48 - 3.65 (m, 1 H) 3.65 - 3.86 (m, 5 H) 4.16 - 4.21 (m, 1 H) 4.58 (dd, 1 H) 5.23 (t, 1 H) 5.37 (t, 1 H) 7.29 (d, 1 H) 7.68 (dd, 1 H) 8.11 (d, 1 H) 8.17 (d, 1 H) 8.69 (dd, 1 H) 9.01 (dd, 1 H)	LCMS (ESI ⁺) calcd for C ₂₀ H ₂₃ FN ₅ O ₂ (M+H ⁺): 384.15; found: 384.03
ER-899745	 C ₂₉ H ₂₃ ClF ₂ N ₅ O ₂	419.89	0.0081	> 10.0	rel-(2R,6R)-4-(8-cyanoquinolin-5-yl)-N-((3R,4S)-4-fluoropropylidene-3-yl)-6-methylmorpholine-2-carboxamide hydrochloride	¹ H NMR (400 MHz, METHANOL-d ₄) δ ppm 1.35 (d, 4 H) 2.75 (t, 1 H) 2.86 (t, 1 H) 3.43 (d, 2 H) 3.59 (t, 1 H) 3.67 - 3.79 (m, 6 H) 4.05 - 4.29 (m, 1 H) 4.59 (dd, 1 H) 7.29 (d, 1 H) 7.70 (dd, 1 H) 8.12 (d, 1 H) 8.18 (d, 1 H) 8.73 (d, 1 H) 9.01 (dd, 1 H)	LCMS (ESI ⁺) calcd for C ₂₀ H ₂₃ FN ₅ O ₂ (M+H ⁺): 384.15; found: 384.06

FIG. 6FFFF

ER-899688		393.49	0.0082	> 10.0	(2R,6R)-4-(8-cyanoquinolin-5-yl)-6-methyl-N-((R)-1-methylpiperidin-3-yl)morpholine-2-carboxamide hydrochloride	¹ H NMR (400 MHz, METHANOL-d ₄) δ ppm 1.34 (d, J=6.20 Hz, 3H) 1.38 - 1.52 (m, 1H) 1.63 (m, 1H) 1.69 - 1.85 (m, 2H) 2.19 (br s, 2H) 2.29 (s, 3H) 2.58 (br s, 1H) 2.67 - 2.87 (m, 3H) 3.40 (d, J=12.07 Hz, 1H) 3.70 (dt, J=11.96, 2.24 Hz, 1H) 3.93 - 4.06 (m, 1H) 4.07 - 4.23 (m, 1H) 4.47 (dd, J=10.79, 2.67 Hz, 1H) 7.27 (d, J=7.90 Hz, 1H) 7.66 (dd, J=8.55, 4.27 Hz, 1H) 8.15 (d, J=8.12 Hz, 1H) 8.67 (dd, J=8.55, 1.50 Hz, 1H) 8.99 (dd, J=4.27, 1.50 Hz, 1H)	LCMS (ESI ⁺) calcd for C ₂₂ H ₂₇ N ₅ O ₂ (M+H ⁺): 394.22; found: 394.28
ER-899718		393.49	0.0030	> 10.0	(2R,6R)-4-(8-cyanoquinolin-5-yl)-6-methyl-N-(4-methylpiperidin-4-yl)morpholine-2-carboxamide	¹ H NMR (400 MHz, CHLOROFORM-d) δ ppm 1.20 - 1.37 (m, 5H) 1.46 (s, 3H) 1.87 - 2.00 (m, 2H) 2.39 (d, J=12.51 Hz, 2H) 2.65 - 2.80 (m, 2H) 2.97 - 3.15 (m, 3H) 3.17 - 3.33 (m, 3H) 3.46 (s, 2H) 3.75 (d, J=12.02 Hz, 1H) 4.04 - 4.16 (m, 1H) 4.35 (dd, J=10.72, 2.56 Hz, 1H) 6.42 (s, 1H) 7.10 (d, J=8.01 Hz, 1H) 7.52 (dd, J=8.55, 4.23 Hz, 1H) 8.03 (d, J=7.97 Hz, 1H) 8.46 (dd, J=8.56, 1.62 Hz, 1H) 9.06 (dd, J=4.20, 1.60 Hz, 1H)	LCMS (ESI ⁺) calcd for C ₂₂ H ₂₇ N ₅ O ₂ (M+H ⁺): 394.22; found: 393.9
ER-899722		367.45	0.0040	> 10.0	(2R,6R)-N-(2-amino-2-methylpropyl)-4-(8-cyanoquinolin-5-yl)-6-methylmorpholine-2-carboxamide	¹ H NMR (400 MHz, METHANOL-d ₄) δ ppm 1.07 (d, 7H) 1.25 - 1.36 (m, 3H) 2.64 - 2.86 (m, 3H) 3.18 (d, 2H) 3.36 (dt, 1H) 3.68 (dt, 1H) 4.13 (m, 1H) 4.50 (dd, 1H) 7.23 (d, 1H) 7.62 (dd, 1H) .11 (d, 1H) 8.63 (dd, 1H) 8.94 (dd, 1H)	LCMS (ESI ⁺) calcd for C ₂₀ H ₂₅ N ₅ O ₂ (M+H ⁺): 368.20; found: 368.2
ER-899742		419.89	0.0059	> 10.0	rel-(2R,6R)-4-(8-cyanoquinolin-5-yl)-N-((3R,4S)-4-fluoropyrrolidin-3-yl)-6-methylmorpholine-2-carboxamide hydrochloride	¹ H NMR (400 MHz, METHANOL-d ₄) δ ppm 1.36 (d, 4H) 2.59 - 2.80 (m, 1H) 2.86 (t, 1H) 3.35 (m, 1H) 3.38 - 3.48 (m, 1H) 3.48 - 3.65 (m, 1H) 3.65 - 3.86 (m, 5H) 4.16 - 4.21 (m, 1H) 4.58 (dd, 1H) 5.23 (t, 1H) 5.37 (t, 1H) 7.29 (d, 1H) 7.68 (dd, 1H) 8.11 (d, 1H) 8.17 (d, 1H) 8.69 (dd, 1H) 9.01 (dd, 1H)	LCMS (ESI ⁺) calcd for C ₂₀ H ₂₃ FN ₅ O ₂ (M+H ⁺): 384.15; found: 384.03
ER-899745		419.89	0.0081	> 10.0	rel-(2R,6R)-4-(8-cyanoquinolin-5-yl)-N-((3S,4R)-4-fluoropyrrolidin-3-yl)-6-methylmorpholine-2-carboxamide hydrochloride	¹ H NMR (400 MHz, METHANOL-d ₄) δ ppm 1.35 (d, 4H) 2.15 (t, 1H) 2.86 (t, 1H) 3.43 (d, 2H) 3.59 (t, 1H) 3.67 - 3.79 (m, 6H) 4.05 - 4.29 (m, 1H) 4.59 (dd, 1H) 7.29 (d, 1H) 7.70 (dd, 1H) 8.12 (dd, 1H) 8.18 (d, 1H) 8.73 (d, 1H) 9.01 (dd, 1H)	LCMS (ESI ⁺) calcd for C ₂₀ H ₂₃ FN ₅ O ₂ (M+H ⁺): 384.15; found: 384.06