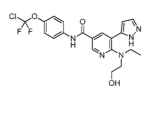


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[00369] The title compound was prepared in an analogous fashion to that described in Stage 22.1 using 5-bromo-6-chloro-N-(4-(chlorodifluoromethoxy)phenyl)nicotinamide (Stage 22.2) and 2-methylamino-ethanol to afford a white crystalline solid. HPLC (Condition 4) $t_R = 5.72$ min, UPLC-MS (Condition 3) $t_R = 1.14$ min, $m/z = 452.2$ $[M+H]^+$.

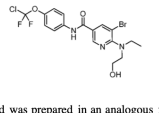
Example 24

N-(4-(Chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)-5-(1H-pyrazol-5-yl)nicotinamide



[00370] The title compound was prepared in an analogous fashion to that described in Example 26 using 5-bromo-N-(4-(chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)nicotinamide (Stage 24.1) and 1-(tetrahydro-2H-pyran-2-yl)-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazole to afford a yellow solid. UPLC-MS (Condition 3) $t_R = 1.02$ min, $m/z = 452.2$ $[M+H]^+$, $m/z = 450.1$ $[M-H]^-$; 1H -NMR (400 MHz, DMSO- d_6) δ ppm 0.93 (t, J = 7.09 Hz, 3 H) 3.17 - 3.27 (m, 2 H) 3.35 - 3.43 (m, 2 H) 3.43 - 3.53 (m, 2 H) 4.59 (br. s, 1 H) 6.53 (d, J = 1.96 Hz, 1 H) 7.33 (d, J = 9.05 Hz, 2 H) 7.76 (br. s, 1 H) 7.82 - 7.95 (m, 2 H) 8.13 (d, J = 2.45 Hz, 1 H) 8.72 (d, J = 2.45 Hz, 1 H) 10.29 (s, 1 H) 12.98 (br. s, 1 H).

[00371] Stage 24.1 5-Bromo-N-(4-(chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)nicotinamide



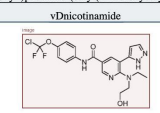
[00372] The title compound was prepared in an analogous fashion to that described in Stage 22.1 using 5-bromo-6-chloro-N-(4-(chlorodifluoromethoxy)phenyl)nicotinamide (Stage

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[00369] The title compound was prepared in an analogous fashion to that described in Stage 22.1 using 5-bromo-6-chloro-N-(4-(chlorodifluoromethoxy)phenyl)nicotinamide (Stage 22.2) and 2-methylamino-ethanol to afford a white crystalline solid. HPLC (Condition 4) $t_R = 5.72$ min, UPLC-MS (Condition 3) $t_R = 1.14$ min, $m/z = 452.2$ $[M+H]^+$.

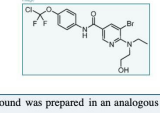
Example 24

N-(4-(Chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)-5-(1H-pyrazol-5-yl)nicotinamide



[00370] The title compound was prepared in an analogous fashion to that described in Example 26 using 5-bromo-N-(4-(chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)nicotinamide (Stage 24.1) and 1-(tetrahydro-2H-pyran-2-yl)-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazole to afford a yellow solid. UPLC-MS (Condition 3) $t_R = 1.02$ min, $m/z = 452.2$ $[M+H]^+$, $m/z = 450.1$ $[M-H]^-$; 1H -NMR (400 MHz, DMSO- d_6) δ ppm 0.93 (t, J = 7.09 Hz, 3 H) 3.17 - 3.27 (m, 2 H) 3.35 - 3.43 (m, 2 H) 3.43 - 3.53 (m, 2 H) 4.59 (br. s, 1 H) 6.53 (d, J = 1.96 Hz, 1 H) 7.33 (d, J = 9.05 Hz, 2 H) 7.76 (br. s, 1 H) 7.82 - 7.95 (m, 2 H) 8.13 (d, J = 2.45 Hz, 1 H) 8.72 (d, J = 2.45 Hz, 1 H) 10.29 (s, 1 H) 12.98 (br. s, 1 H).

[00371] Stage 24.1 5-Bromo-N-(4-(chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)nicotinamide



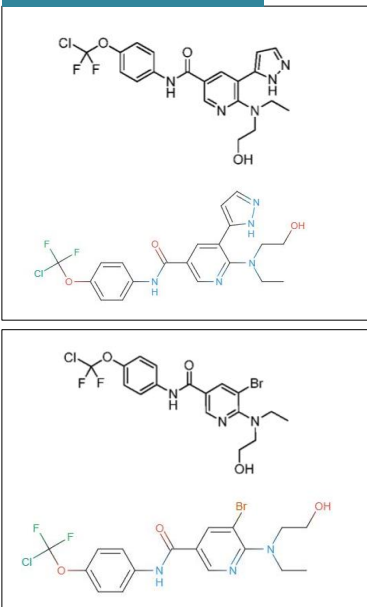
[00372] The title compound was prepared in an analogous fashion to that described in Stage 22.1 using 5-bromo-6-chloro-N-(4-(chlorodifluoromethoxy)phenyl)nicotinamide (Stage

Input image

Result

Deep Parsing

Parse the figure.

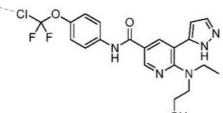


Rendering

[00369] The title compound was prepared in an analogous fashion to that described in Stage 22.1 using 5-bromo-6-chloro-N-(4-(chlorodifluoromethoxy)phenyl)nicotinamide (Stage 22.2) and 2-methylamino-ethanol to afford a white crystalline solid. HPLC (Condition 4) $t_R = 5.72$ min, UPLC-MS (Condition 3) $t_R = 1.14$ min, $m/z = 452.2$ $[M+H]^+$.

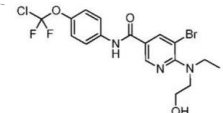
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N-(4-(Chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)-5-(1H-pyrazol-5-yl)nicotinamide



[00370] The title compound was prepared in an analogous fashion to that described in Example 26 using 5-bromo-N-(4-(chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)nicotinamide (Stage 24.1) and 1-(tetrahydro-2H-pyran-2-yl)-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazole to afford a yellow solid. UPLC-MS (Condition 3) $t_R = 1.02$ min, $m/z = 452.2$ $[M+H]^+$, $m/z = 450.1$ $[M-H]^-$; 1H -NMR (400 MHz, DMSO- d_6) δ ppm 0.93 (t, J = 7.09 Hz, 3 H) 3.17 - 3.27 (m, 2 H) 3.35 - 3.43 (m, 2 H) 3.43 - 3.53 (m, 2 H) 4.59 (br. s, 1 H) 6.53 (d, J = 1.96 Hz, 1 H) 7.33 (d, J = 9.05 Hz, 2 H) 7.76 (br. s, 1 H) 7.82 - 7.95 (m, 2 H) 8.13 (d, J = 2.45 Hz, 1 H) 8.72 (d, J = 2.45 Hz, 1 H) 10.29 (s, 1 H) 12.98 (br. s, 1 H).

[00371] Stage 24.1 5-Bromo-N-(4-(chlorodifluoromethoxy)phenyl)-6-(ethyl(2-hydroxyethyl)amino)nicotinamide



[00372] The title compound was prepared in an analogous fashion to that described in Stage 22.1 using 5-bromo-6-chloro-N-(4-(chlorodifluoromethoxy)phenyl)nicotinamide (Stage

Figure 9 | DeepSeek-OCR in deep parsing mode can also recognize chemical formulas within chemical documents and convert them to SMILES format. In the future, OCR 1.0+2.0 technology may play a significant role in the development of VLM/LLM in STEM fields.