“Supporting Information.

Synthesis, Flow Cytometric Evaluation and Identification of Highly Potent Dipyridamole Analogs as Equilibrative Nucleoside Transporter 1 (ENT1) Inhibitors

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Elemental Analysis Data for Compounds 1-79

Compound **1**. Calcd ($C_{20}H_{32}N_8O_2$): C 57.67, H 7.74, N 26.90; Found: C 56.89, H 7.83, N 26.90.
Compound **2**. Calcd ($C_{22}H_{36}N_8O_4$): C 55.44, H 7.61, N 23.51; Found: C 55.01, H 7.46, N 23.40.
Compound **3**. Calcd ($C_{18}H_{28}N_8O_2$): C 55.65, H 7.27, N 28.85; Found: C 55.57, H 7.21, N 28.58.
Compound **4.** Calcd ($C_{22}H_{36}N_8O_6$): C 51.96, H 7.13, N 22.03; Found: C 51.33, H 7.25, N 21.91.
Compound **5.** Calcd ($C_{18}H_{28}N_8O_4$): C 51.42, H 6.71, N 26.65; Found: C 50.69, H 6.65, N 26.10.
Compound **6.** Calcd ($C_{24}H_{42}N_{10}O_4$): C 53.92, H 7.92, N 26.20; Found: C 53.71, H 7.94, N 25.91.
Compound **7.** Calcd ($C_{32}H_{54}N_{10}O_8$): C 54.38, H 7.70, N 19.82; Found: C 54.04, H 7.99, N 19.61.
Compound **8.** Calcd ($C_{30}H_{44}N_{10}O_6$): C 56.24, H 6.92, N 21.86; Found: C 55.90, H 6.94, N 21.56.
Compound **9.** Calcd ($C_{26}H_{42}N_6O_4$): C 62.13, H 8.42, N 16.72; Found: C 61.58, H 8.36, N 16.63.
Compound **10.** Calcd ($C_{26}H_{30}N_6O_4$): C 63.66, H 6.16, N 17.13; Found: C 63.30, H 6.22, N 16.90.
Compound **11.** Calcd ($C_{26}H_{44}N_8O_4$): C 58.62, H 8.33, N 21.04; Found: C 58.50, H 8.23, N 21.02.
Compound **12.** Calcd ($C_{22}H_{36}N_8O_2$): C 59.44, H 8.16, N 25.20; Found: C 59.26, H 8.25, N 25.35.
Compound **13.** Calcd ($C_{28}H_{48}N_8O_4$): C 59.98, H 8.63, N 19.98; Found: C 59.81, H 8.56, N 19.97.
Compound **14.** Calcd ($C_{24}H_{40}N_8O_2$): C 60.99, H 8.53, N 23.71; Found: C 61.03, H 8.56, N 23.81.
Compound **15.** Calcd ($C_{30}H_{52}N_8O_4$): C 61.20, H 8.90, N 19.03; Found: C 60.73, H 8.84, N 18.87.
Compound **16.** Calcd ($C_{26}H_{44}N_8O_2$): C 62.37, H 8.86, N 22.38; Found: C 62.29, H 8.85, N 22.38.
Compound **17.** Calcd ($C_{28}H_{44}N_8O_4$): C 60.41, H 7.97, N 20.13; Found: C 60.44, H 8.09, N 19.96.
Compound **18.** Calcd ($C_{24}H_{36}N_8O_2$): C 61.52, H 7.74, N 23.91; Found: C 61.73, H 7.80, N 23.79.
Compound **19.** Calcd ($C_{34}H_{52}N_8O_4$): C 64.12, H 8.23, N 17.60; Found: C 63.58, H 8.19, N 17.59.
Compound **20.** Calcd ($C_{30}H_{44}N_8O_2$): C 65.67, H 8.08, N 20.42; Found: C 65.97, H 8.07, N 20.56.
Compound **21.** Calcd ($C_{18}H_{32}N_8O_4$): C 50.93, H 7.60, N 26.40; Found: C 50.91, H 7.60, N 26.50.
Compound **22.** Calcd ($C_{14}H_{24}N_8O_2$): C 49.99, H 7.19, N 33.31; Found: C 50.20, H 7.13, N 33.21.
Compound **23.** Calcd ($C_{22}H_{40}N_8O_4$): C 54.98, H 8.39, N 23.32; Found: C 54.77, H 8.40, N 23.28.
Compound **24.** Calcd ($C_{18}H_{32}N_8O_2$): C 55.08, H 8.22, N 28.55; Found: C 55.21, H 8.40, N 28.73.
Compound **25.** Calcd ($C_{26}H_{48}N_8O_4$): C 58.18, H 9.01, N 20.88; Found: C 57.99, H 9.10, N 21.00.
Compound **26.** Calcd ($C_{22}H_{40}N_8O_2$): C 58.90, H 8.99, N 24.98; Found: C 58.92, H 9.05, N 25.07.
Compound **27.** Calcd ($C_{30}H_{56}N_8O_4$): C 60.78, H 9.52, N 18.90; Found: C 60.43, H 9.43, N 18.80.
Compound **28.** Calcd ($C_{26}H_{48}N_8O_2$): C 61.87, H 9.59, N 22.20; Found: C 61.01, H 9.46, N 21.51.
Compound **29.** Calcd ($C_{30}H_{56}N_8O_4$): C 60.78, H 9.52, N 18.90; Found: C 60.48, H 9.42, N 18.93.
Compound **30.** Calcd ($C_{26}H_{48}N_8O_2$): C 61.87, H 9.59, N 22.20; Found: C 60.92, H 9.45, N 21.70.
Compound **31.** Calcd ($C_{34}H_{64}N_8O_4$): C 62.93, H 9.94, N 17.27; Found: C 62.23, H 9.91, N 17.00.
Compound **32.** Calcd ($C_{30}H_{56}N_8O_2$): C 64.25, H 10.06, N 19.98; Found: C 63.89, H 10.04, N 19.60.
Compound **33.** Calcd ($C_{34}H_{64}N_8O_4$): C 62.93, H 9.94, N 17.27; Found: C 62.85, H 9.94, N 17.15.
Compound **34.** Calcd ($C_{30}H_{56}N_8O_2$): C 64.25, H 10.06, N 19.98; Found: C 64.02, H 10.06, N 19.86.
Compound **35.** Calcd ($C_{26}H_{48}N_8O_8$): C 51.99, H 8.05, N 18.65; Found: C 52.10, H 8.01, N 18.58.

Compound **36.** Calcd ($C_{22}H_{40}N_8O_6$): C 51.55, H 7.87, N 21.86; Found: C 51.33, H 7.73, N 21.78.
Compound **37.** Calcd ($C_{42}H_{48}N_8O_4$): C 69.21, H 6.64, N 15.37; Found: C 69.18, H 6.59, N 15.35.
Compound **38.** Calcd ($C_{38}H_{40}N_8O_2$): C 71.23, H 6.29, N 17.49; Found: C 71.02, H 6.29, N 17.47.
Compound **39.** Calcd ($C_{14}H_{24}N_8O_4$): C 45.64, H 6.57, N 30.42; Found: C 45.29, H 6.73, N 29.58.
Compound **40.** Calcd ($C_{16}H_{28}N_8O_4$): C 48.47, H 7.12, N 28.26; Found: C 48.58, H 7.20, N 28.11.
Compound **41.** Calcd ($C_{12}H_{20}N_8O_2$): C 46.74, H 6.54, N 36.34; Found: C 46.69, H 6.48, N 36.35.
Compound **42.** Calcd ($C_{18}H_{32}N_8O_4$): C 50.93, H 7.60, N 26.40; Found: C 50.93, H 7.72, N 26.52.
Compound **43.** Calcd ($C_{14}H_{24}N_8O_2$): C 49.99, H 7.19, N 33.31; Found: C 50.19, H 7.30, N 33.06.
Compound **44.** Calcd ($C_{20}H_{36}N_8O_4$): C 53.08, H 8.02, N 24.76; Found: C 53.16, H 8.13, N 24.56.
Compound **45.** Calcd ($C_{16}H_{28}N_8O_2$): C 52.73, H 7.74, N 30.75; Found: C 52.52, H 7.79, N 30.53.
Compound **46.** Calcd ($C_{20}H_{36}N_8O_4$): C 53.08, H 8.02, N 24.76; Found: C 53.34, H 8.03, N 24.90.
Compound **47.** Calcd ($C_{16}H_{28}N_8O_2$): C 52.73, H 7.74, N 30.75; Found: C 52.57, H 7.53, N 30.57.
Compound **48.** Calcd ($C_{22}H_{40}N_8O_4$): C 54.98, H 8.39, N 23.32; Found: C 54.40, H 8.36, N 22.72.
Compound **49.** Calcd ($C_{18}H_{32}N_8O_2$): C 55.08, H 8.22, N 28.55; Found: C 54.86, H 8.17, N 28.30.
Compound **50.** Calcd ($C_{22}H_{40}N_8O_4$): C 54.98, H 8.39, N 23.32; Found: C 54.90, H 8.50, N 23.38.
Compound **51** Calcd ($C_{18}H_{32}N_8O_2$): C 55.08, H 8.22, N 28.55; Found; C 54.46, H 8.15, N 28.22.
Compound **52.** Calcd ($C_{22}H_{40}N_8O_4$): C 54.98, H 8.39, N 23.32; Found: C 54.61, H 8.40, N 23.18.
Compound **53.** Calcd ($C_{18}H_{32}N_8O_2$): C 55.08, H 8.22, N 28.55; Found: C 54.86, H 8.27, N 28.36.
Compound **54.** Calcd ($C_{24}H_{44}N_8O_4$): C 56.67, H 8.72, N 22.03; Found: C 56.61, H 8.75, N 22.10.
Compound **55.** Calcd ($C_{20}H_{36}N_8O_2$): C 57.12, H 8.63, N 26.64; Found: C 55.92, H 8.51, N 25.95.
Compound **56.** Calcd ($C_{24}H_{44}N_8O_4$): C 56.67, H 8.72, N 22.03; Found: C 56.03, H 8.73, N 21.91.
Compound **57.** Calcd ($C_{20}H_{36}N_8O_2$): C 57.12, H 8.63, N 26.64; Found: C 54.86, H 8.87, N 25.70.
Compound **58.** Calcd ($C_{24}H_{44}N_8O_4$): C 56.67, H 8.72, N 22.03; Found: C 56.68, H 8.76, N 22.03.
Compound **59.** Calcd ($C_{20}H_{36}N_8O_2$): C 57.12, H 8.63, N 26.64; Found: C 56.02, H 8.67, N 25.62.
Compound **60.** Calcd ($C_{20}H_{32}N_8O_4$): C 53.56, H 7.19, N 24.98; Found: C 53.14, H 7.08, N 24.05.
Compound **61.** Calcd ($C_{16}H_{24}N_8O_2$): C 53.32, H 6.71, N 31.09; Found: C 52.93, H 6.80, N 30.59.
Compound **62.** Calcd ($C_{22}H_{36}N_8O_4$): C 55.45, H 7.61, N 23.51; Found: C 55.20, H 7.86, N 23.35.
Compound **63.** Calcd ($C_{18}H_{28}N_8O_2$): C 55.65, H 7.27, N 28.84; Found; C 55.01, H 7.44, N 27.93.
Compound **64.** Calcd ($C_{24}H_{40}N_8O_4$): C 57.12, H 7.99, N 22.20; Found: C 57.04, H 8.06, N 22.35.
Compound **65.** Calcd ($C_{20}H_{32}N_8O_2$): C 57.67, H 7.74, N 26.90; Found: C 56.58, H 7.79, N 26.47.
Compound **66.** Calcd ($C_{26}H_{44}N_8O_4$): C 58.62, H 8.33, N 21.04; Found: C 58.52, H 8.47, N 21.03.
Compound **67.** Calcd ($C_{22}H_{36}N_8O_2$): C 59.44, H 8.16, N 25.20; Found: C 59.52, H 8.23, N 25.17.
Compound **68.** Calcd ($C_{26}H_{32}N_8O_4$): C 59.99, H 6.20, N 21.52; Found: C 59.60, H 6.13, N 21.35.
Compound **69.** Calcd ($C_{22}H_{24}N_8O_2$): C 61.10, H 5.59, N 25.91; Found; C 60.31, H 5.69, N 25.23.
Compound **70.** Calcd ($C_{28}H_{36}N_8O_4$): C 61.30, H 6.61, N 20.42; Found: C 61.13, H 6.65, N 20.34.
Compound **71.** Calcd ($C_{24}H_{28}N_8O_2$): C 62.59, H 6.13, N 24.33; Found: C 62.51, H 6.22, N 24.27.
Compound **73.** Calcd ($C_{24}H_{36}N_8O_2$): C 61.52, H 7.74, N 23.91; Found: C 61.64, H 7.60, N 24.06.
Compound **74.** Calcd ($C_{28}H_{40}N_8O_8$): C 54.54, H 6.54, N 18.17; Found: C 54.60, H 6.70, N 18.24.
Compound **75.** Calcd ($C_{32}H_{48}N_8O_8$): C 57.13, H 7.19, N 16.66; Found: C 57.32, H 7.34, N 16.78.
Compound **76.** Calcd ($C_{28}H_{48}N_8O_4$): C 59.98, H 8.63, N 19.98; Found: C 59.96, H 8.48, N 20.03.
Compound **77.** Calcd ($C_{32}H_{56}N_8O_4$): C 62.31, H 9.15, N 18.17; Found: C 62.33, H 9.17, N 18.14
Compound **78.** Calcd ($C_{36}H_{64}N_8O_4$): C 64.25, H 9.59, N 16.65; Found: C 64.43, H 9.62, N 16.73
Compound **79.** Calcd ($C_{30}H_{52}N_8O_4$): C 61.20, H 8.90, N 19.03; Found: C 60.98, H 9.04, N 18.88