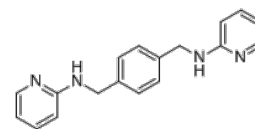


Product Name : WZ811
Cat. No. : PC-38725
CAS No. : 55778-02-4
Molecular Formula : C₁₈H₁₈N₄
Molecular Weight : 290.36
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

WZ811 is a nonpeptidic, small molecule antagonist of CXCR4 with EC₅₀ of 0.3 nM affinity binding assays, suppresses cancer cells aggressive in a variety of cancers.

WZ811 potently inhibits CXCR4/stromal cell-derived factor-1 (SDF-1)-mediated modulation of cAMP levels (EC₅₀=1.2 nM) and SDF-1 induced Matrigel invasion (EC₅₀=5.2 nM).

WZ811 decreases chronic lymphocytic leukemia cells cell viability, colony formation, migration, and survival with cell cycle arrest and higher sensitivity to docetaxel in vitro.

WZ811 exhibits tumor growth inhibition in mouse xenograft models developed with human leukemia cells.

References

Zhan W, et al. J Med Chem. 2007 Nov 15;50(23):5655-64.

Kawatkar SP, et al. Exp Biol Med (Maywood). 2011 Jul;236(7):844-50.

Li SH, et al. Am J Transl Res. 2016 Sep 15;8(9):3812-3821.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com