

Product Name	: WZ-4-49-8
Synonyms	: WZ-4-49-8; WZ 4 49 8; WZ4498
Cat No.	: M10441
CAS Number	: 1125594-27-5
Molecular Formula	: C32H42N8O3S
Formula Weight	: 618.80
Chemical Name	: N6-(4-[1,4'-Bipiperidin]-1'-yl-2-ethoxyphenyl)-N4-[2-[(1-methylethyl)sulfonyl]phenyl]-1H-pyrazolo[3,4-d]pyrimidine-4,6-diamine
Description	: WZ-4-49-8 is a potent, selective c-Fes protein-tyrosine kinase inhibitor with IC50 of 67 nM; displays an exceptional selectivity profile with a selectivity score of only 0.027 in a panel of 442 kinases; inhibits c-Fes-L145P autophosphorylation and microtubule association in at least a subset of cells, and potently inhibits c-Fes-L145P-mediated soft-agar colony growth; dramatically inhibits osteoclast differentiation in RAW 264.7 macrophage cell line.
Pathway	: Tyrosine Kinase
Target	: c-Fes Kinase
Receptor	: c-Fes Kinase
Solubility	: —
SMILES	: <chem>O=S(C1=CC=CC=C1NC2=C3C(NN=C3)=NC(NC4=CC=C(N5CCC(N6CCCCC6)CC5)C=C4OCC)=N2)(C(C)C)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Hellwig S, et al. Chem Biol. 2012 Apr 20;19(4):529-40. 2. Weir MC, et al. PLoS One. 2017 Jul 20;12(7):e0181178.

