

Product Name	: AZD-1480
Synonyms	: AZD1480;AZD 1480
Cat No.	: M16692
CAS Number	: 935666-88-9
Molecular Formula	: C ₁₄ H ₁₄ ClFN ₈
Formula Weight	: 348.77
Chemical Name	: 2,4-Pyrimidinediamine, 5-chloro-N2-[(1S)-1-(5-fluoro-2-pyrimidinyl)ethyl]-N4-(5-methyl-1H-pyrazol-3-yl)-
Description	: A potent, selective, ATP competitive JAK2 inhibitor with Ki of 0.26 nM; demonstrates significant JAK2 selectivity over JAK3 and marginal selectivity over JAK1; blocks STAT3 phosphorylation in a panel of human solid tumor cell lines, potently inhibits the growth of the TEL-Jak2 cell line (GI50=60 nM); suppresses the growth of human solid tumor xenografts harboring persistent Stat3 activity. Liver Cancer Phase 1 Discontinued
Pathway	: Angiogenesis
Target	: JAK
Receptor	: JAK2
Solubility	: 10 mM in DMSO
SMILES	: <chem>CC1=CC(NC2=NC(N[C@H](C3=NC=C(F)C=N3)C)=NC=C2Cl)=NN1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Hedvat M, et al. Cancer Cell. 2009 Dec 8;16(6):487-97. | 2. Ioannidis S, et al. J Med Chem. 2011 Jan 13;54(1):262-76. | 3. Scuto A, et al. Leukemia. 2011 Mar;25(3):538-50. | 4. Xin H, et al. Cancer Res. 2011 Nov 1;71(21):6601-10.