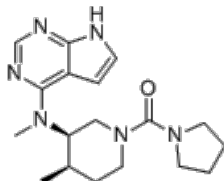


Product Name	: PF-956980	
Synonyms	: PF 956980;PF956980	
Cat No.	: M11099	
CAS Number	: 1262832-74-5	
Molecular Formula	: C ₁₈ H ₂₆ N ₆ O	
Formula Weight	: 342.44	
Chemical Name	: {(3R,4R)-4-Methyl-3-[methyl-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-amino]-piperidin-1-yl}-pyrrolidin-1-yl-methanone	
Description	: A potent, highly specific JAK3 inhibitor with IC ₅₀ of 4 nM; shows only modest inhibition of PKA (6.7 uM) and LCK (10.9 uM) in vitro; selectively downregulates JAK2 and JAK3 mRNA, corresponding to changes observed at the protein level; shows in vivo activity consistent with in vitro enzyme and whole blood assays (39 ng/ml); dose-dependently inhibits the DTH response in mice with EC ₅₀ of 5 mg/kg.	
Pathway	: Angiogenesis	
Target	: JAK	
Receptor	: JAK	
Solubility	: —	
SMILES	: O=C(N1C[C@H](N(C)C2=C3C(NC=C3)=NC=N2)[C@H](C)CC1)N4CCCC4	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Changelian PS, et al. Blood. 2008 Feb 15;111(4):2155-7. | 2. Steele AJ, et al. Blood. 2010 Nov 25;116(22):4569-77. | 3. Field SD, et al. ACS Chem Biol. 2017 May 19;12(5):1183-1187.