

Product Name	: Peficitinib
Synonyms	: ASP-015K; JNJ-54781532
Cat No.	: M16761
CAS Number	: 944118-01-8
Molecular Formula	: C ₁₈ H ₂₂ N ₄ O ₂
Formula Weight	: 326.39
Chemical Name	: 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(5-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-2-yl)amino]-, stereoisomer
Description	: Peficitinib (ASP-015K, JNJ-54781532) is a potent JAK inhibitor with IC ₅₀ s of 3.9 and 0.7 nM for JAK1 and JAK3 respectively; inhibits IL-2-dependent T cell proliferation in vitro and STAT5 phosphorylation in vitro and ex vivo; dose-dependently suppresses bone destruction and paw swelling in an adjuvant-induced arthritis model in rats; orally bioactive. Rheumatoid Arthritis Phase 3 Clinical
Pathway	: Angiogenesis
Target	: JAK
Receptor	: JAK
Solubility	: DMSO: ≥ 60 mg/mL
SMILES	: <chem>C1C2CC3CC(C2)(CC1C3NC4=C5C=CNC5=NC=C4(=O)N)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Oda K, et al. Xenobiotica. 2015;45(6):488-94. | 2. Takeuchi T, et al. Ann Rheum Dis. 2016 Jun;75(6):1057-64.