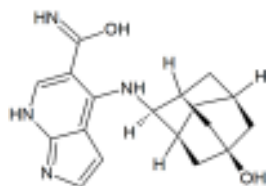


# Peficitinib

**ALTERNATE NAME:** 4-(((1R,2r,3S,5s,7s)-5-hydroxyadamantan-2-yl)amino)-1H-pyrrolo[2,3-b]pyridine-5-carboxamide  
ASP015K  
JNJ 54781532  
JNJ-54781532

**CATALOG #:** B2474-1 1 mg  
B2474-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>22</sub>N<sub>4</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 326.4

**CAS NUMBER:** 944118-01-8

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light.

**SOLUBILITY:** >50 mg/ml DMSO

**DESCRIPTION:** Peficitinib is a potent JAK inhibitor, with IC<sub>50</sub>s of 3.9, 5.0, 0.7 and 4.8 nM for JAK1, JAK2, JAK3 and Tyk2, respectively. Peficitinib inhibits IL-2-induced proliferation of rat splenocytes (IC<sub>50</sub> = 10 nM) and phosphorylation of STAT5 in rat and human whole blood (IC<sub>50</sub>s = 124 and 127 nM, respectively).

**REFERENCES:** Kivitz, A.J., et al. (2017). Arthritis Rheumatol. 69, 709-719.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Baricitinib (2842)  
SB1518 (Pacritinib) (2450)  
CP-690550 (1622)  
Ruxolitinib, Free base (2139)  
Cyt387 (2316)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*