

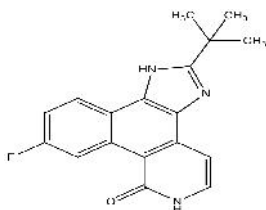
**PRODUCT: JAK Inhibitor, Pyridone 6**

**ALTERNATE NAME:** 2-(1,1-Dimethylethyl)-9-fluoro-1,6-dihydro-7H-benz[h]imidazo[4,5-f]isoquinolin-7-one; Pyridone 6; CMP 6

**CATALOG #:** 2534-500, 1000

**AMOUNT:** 500 µg, 1 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>16</sub>FN<sub>3</sub>O

**MOLECULAR WEIGHT:** 309.3

**CAS No.** 457081-03-7

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (~ 5 mg/ml)

**PURITY:** ≥97% by HPLC

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

**DESCRIPTION:** Cell-permeable. A potent, reversible, ATP-competitive JAK inhibitor. It inhibits JAK1, 2, and 3 with IC<sub>50</sub> values of 15, 1, and 5 nM, respectively. Displays significantly weaker affinities (IC<sub>50</sub>s = 130 nM - > 10 µM) for other protein tyrosine kinases. It was shown to block IL-2 and IL-4-dependent proliferation of mouse T-cell lymphoma cells with IC<sub>50</sub> values of 50-100 nM.

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

**RELATED PRODUCTS:**

AZD1480 (Cat. No. 2315-1, 5)  
 CP-690550 (Cat. No. 1622-5, 25)  
 Cyt387 (Cat. No. 2316-1, 5)  
 Lestaurtinib (Cat. No. 1805-500, 1000)  
 LLL12 (Cat. No. 1792-5, 25)  
 MS-1020 (Cat. No. 1911-1)  
 Ruxolitinib, free base (Cat. No. 2139-5, 25)  
 SB-1518 (Cat. No. 2450-1, 5)  
 Stat1 Antibody (Cat. No. 3133R-100)  
 Stat2 Antibody (Cat. No. 3468R-100)  
 Phospho-Stat2 Antibody (Cat. No. 3469-1000)  
 Stat3 Antibody (Cat. No. 3470R-100)  
 Phospho-Stat3 Antibody (Cat. No. 3474-100)  
 Stat3 Inhibitor I, S3I-201 (Cat. No. 1775-5, 25)  
 Stat3 peptide Inhibitor, Cell-Permeable (Cat. No. 1778-1,5)  
 Stat4 Antibody (Cat. No. 3471R-100)  
 Stat5 Antibody (Cat. No. 3472-100)  
 Phospho-Stat5 Antibody (Cat. No. 3475-100)  
 Stat6 Antibody (Cat. No. 3473R-100)  
 Phospho-Stat6 Antibody (Cat. No. 3476-100)  
 TG101348 (Cat. No. 2314-1, 5)  
 Tyrphostin AG 490 (Cat. No. 1570-5)  
 WHI-P131 (Cat. No. 1853-5, 25)  
 WP1066 (Cat. No. 1809-5, 25)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans.**