

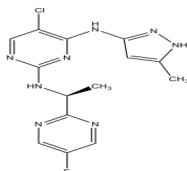
**PRODUCT: AZD1480**

**ALTERNATE NAME:** (S)-5-chloro-N2-(1-(5-fluoropyrimidin-2-yl)ethyl)-N4-(5-methyl-1H-pyrazol-3-yl)pyrimidine-2,4-diamine

**CATALOG #:** 2315-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>14</sub>H<sub>14</sub>ClFN<sub>8</sub>

**MOLECULAR WEIGHT:** 348.77

**CAS NUMBER:** 935666-88-9

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (~70 mg/ml) or Ethanol (~ 5 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** A novel ATP-competitive inhibitor of JAK1 and JAK2 with IC<sub>50</sub> of 1.3 nM and 0.26 nM, respectively.

**REFERENCES:** Scuto, A., *et al.* (2011). *Leukemia* **25**, 538-550; Hedvat, M., *et al.* (2009). *Cancer Cell* **16**, 487-497.

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

**RELATED PRODUCTS:**

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)

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 CH USE ONLY! Not to be used in humans**