

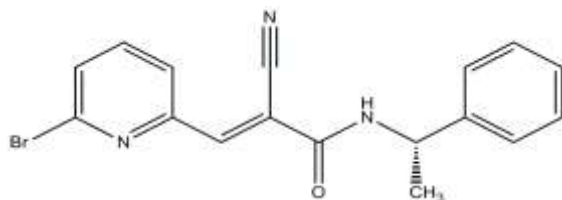
WP1066

ALTERNATE NAME: (2E)-3-(6-Bromo-2-pyridinyl)-2-cyano-N-[(1S)-1-phenylethyl]-2-propenamamide

CATALOG #: 1809-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₄BrN₃O

MOLECULAR WEIGHT: 356.22

CAS NUMBER: 857064-38-1

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (10 mg/ml) and Ethanol (5 mg/ml)

PURITY: ≥97% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A potent, cell-permeable JAK2 inhibitor. A novel analog of the JAK2 inhibitor AG490 (Cat. No. 1570-5) that blocks STAT3 and phosphoinositide-3-kinase pathways. It is significantly more potent and active against human malignant glioma cells *in vitro* and *in vivo* than AG 490. Similar to AG490, WP1066 inhibits the phosphorylation of JAK2, but unlike AG490, WP1066 also degrades JAK2 protein, thus blocking its downstream signal transducer and activator of transcription (STAT) and phosphoinositide-3-kinase pathways to results in the activation of the caspase pathway.

REFERENCE: Verstovsek, S., *et al.* (2008). *Clin. Cancer Res.* **14**, 788-796.

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

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

RELATED PRODUCTS:

- CP-690550 (Cat. No. 1622-5, 25)
- Lestaurtinib (Cat. No. 1805-500, 1000)
- LLL12 (Cat. No. 1792-5, 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)
- Tyrphostin AG 490 (Cat. No. 1570-5)