

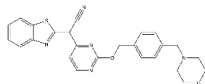
**PRODUCT: AS 602801**

**ALTERNATE NAMES:** AS602801; AS-602801; Bentamapimod; 2-(1,3-benzothiazol-2-yl)-2-[2-[[4-(morpholin-4-ylmethyl)phenyl]methoxy]pyrimidin-4-yl]acetonitrile

**CATALOG#:** B1687-5, -25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>25</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>S

**MOLECULAR WEIGHT:** 457.55

**CAS NUMBER:** 848344-36-5

**APPEARANCE:** Solid powder

**SOLUBILITY:** DMSO

**PURITY:** >98%

**STORAGE:** Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term. Protect from air and light.

**DESCRIPTION:** AS 602801 is an ATP-competitive JNK inhibitor with IC<sub>50</sub> of 80 nM, 90 nM, and 230 nM for JNK1, JNK2, and JNK3, respectively.

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

**REFERENCES:**

1. Messoussi A, et al. Recent progress in the design, study, and development of c-Jun N-terminal kinase inhibitors as anticanceragents. *Chem Biol.* 2014 Nov 20;21(11):1433-43.
2. Okada M, et al. The novel JNK inhibitor AS602801 inhibits cancer stem cells in vitro and in vivo. *Oncotarget.* 2016 May 10;7(19):27021-32.
3. Palmer SS, et al. Bentamapimod (JNK Inhibitor AS602801) Induces Regression of Endometriotic Lesions in Animal Models. *Reprod Sci.* 2016 Jan;23(1):11-23.

**RELATED PRODUCTS:**

- Active JNK1 (Cat. No. 7757-5, 100)
- JNK Activated lysate (Cat. No. 7032-1)
- JNK Negative Control Lysate (Cat. No. 7031-1)
- JNK Antibody (Cat. No. 3701-100)
- Phospho-JNK/SAPK Antibody (Cat. No. 3589-100)
- L-JNK Peptide Inhibitor I (Cat. No. 7011-50)
- L-JNK1 Negative Control Peptide (Cat. No. 7021-50)
- KinaseSTAR® JNK Activity Assay Kit (Cat. No. K431-40)
- KinaseSTAR® JNK Activity Screening Kit (Cat. No. K430-40)
- SP600125 (Cat. No. 1669-5)

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