PRODUCT: **AZD-5438**

**ALTERNATE NAMES:** 4-(1-isopropyl-2-methyl-1H-imidazol-5-yl)-N-(4-(methylsulfonyl)phenyl)pyrimidin-2-amine

**CATALOG NUMBER:** B2073-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

```
<table>
<thead>
<tr>
<th>C</th>
<th>H</th>
<th>N</th>
<th>O</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>21</td>
<td>5</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>
```

**MOLECULAR FORMULA:** C_{18}H_{21}N_{5}O_{2}S

**MOLECULAR WEIGHT:** 371.46

**CAS NUMBER:** 602306-29-6

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (>30 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** AZD-5438 is a potent inhibitor of cyclin-dependent kinases (CDKs) (IC_{50} values are 16, 6 and 20 nM for CDK1, 2, and 9, respectively). Displays antiproliferative activity in human tumor cell lines. It is less potent to CDK5/6 and also inhibits GSK3β.


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

**RELATED PRODUCTS:**
- AT-9823 (Cat. No. 2432-5, 25)
- Aurora Kinase B Inhibitor (Cat. No. 1583-5, 25)
- AZD1480 (Cat. No. 2315-1, 5)
- CCT-129202 (Cat. No. B1934-5,25)
- CP-690550 (Cat. No. 1622-5, 25)
- CYC-116 (Cat. No. B1936-5,25)
- Danusertib (Cat. No. B1937-5,25)
- ENMD-2076 (Cat. No. B1938-5,25)
- Lestaurtinib (Cat. No. 1805-500, 1000)
- MLN8237 (Cat. No. 2718-5,25)
- LLL12 (Cat. No. 1792-5, 25)
- MS-1020 (Cat. No. 1911-1)
- PF-03814735 (Cat. No. B1257-1,5)
- Reversine (Cat. No. 1851-1, 5)
- Ruxolitinib, free base (Cat. No. 2139-5, 25)
- Tozasertib (Cat. No. 1595-25, 100)
- EZSolution™ Tozasertib (Cat. No. 1803-5,25)
- TC-S 7010 (Cat. No. B1203-5,25)
- 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