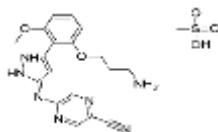


**PRODUCT: Prexasertib mesylate**

**ALTERNATE NAMES:** 5-[[[5-[2-(3-aminopropoxy)-6-methoxyphenyl]-1H-pyrazol-3-yl]amino]pyrazine-2-carbonitrile;methanesulfonic acid; LY-2606368

**CATALOG NUMBER:** B2067-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

**MOLECULAR FORMULA:** C<sub>19</sub>H<sub>23</sub>N<sub>7</sub>O<sub>5</sub>S

**MOLECULAR WEIGHT:** 461.50

**CAS NUMBER:** 1234015-55-4

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** Prexasertib is a potent inhibitor of checkpoint kinase 1 (chk1) with potential antineoplastic activity. Upon administration, prexasertib selectively binds to chk1, thereby preventing activity of chk1 and abrogating the repair of damaged DNA. This may lead to an accumulation of damaged DNA and may promote genomic instability and apoptosis.

**REFERENCES:** King, C., *et al.* (2015). *Mol. Cancer Ther.* **14**, 2004-2013.

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

**RELATED PRODUCTS:**

Active CHK1 (Cat. No. 7735-5, 100)

AZD-7762 (Cat. No. 9414-5,25)

CCT244747 (Cat. No. 9575-5,25)

ChK2 inhibitor (1702-1)

Prexasertib mesylate (Cat. No. B2067-5,25)

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