

**PRODUCT: CCT244747****RELATED PRODUCTS:**

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

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

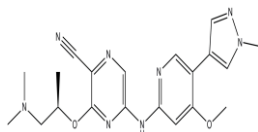
ChK2 inhibitor (1702-1)

**ALTERNATE NAME:** (R)-3-((1-(dimethylamino)propan-2-yl)oxy)-5-((4-methoxy-5-(1-methyl-1H-pyrazol-4-yl)pyridin-2-yl)amino)pyrazine-2-carbonitrile

**CATALOG #:** 9575-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>20</sub>H<sub>24</sub>N<sub>6</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 408.46

**CAS NUMBER:** 1404095-34-6

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (~5 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** CCT244747 is a potent, selective and ATP-competitive CHK1 inhibitor. CCT244747 inhibits cellular CHK1 activity (IC<sub>50</sub> = 29-170 nmol/L), significantly enhances the cytotoxicity of several anticancer drugs, and abrogates drug-induced S and G(2) arrest in multiple tumor cell lines.

**REFERENCES:** Walton, M.I., *et al.* (2012). *Clin. Cancer Res.* **18**, 5650-5661.

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

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