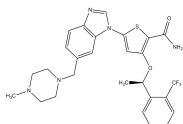


PRODUCT: GSK461364**RELATED PRODUCTS:**

BI 6727 (Cat. No. 2222-1, 5)

Wortmannin (Cat. No. 1670-1)

ALTERNATE NAME: 5-(6-((4-methylpiperazin-1-yl)methyl)-1H-benzo[d]imidazol-1-yl)-3-((R)-1-(2-(trifluoromethyl)phenyl)ethoxy)thiophene-2-carboxamide**CATALOG #:** 2287-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₇H₂₈F₃N₅O₂S**MOLECULAR WEIGHT:** 543.60**CAS NUMBER:** 929095-18-1**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (~10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20° C. Protect from light and moisture**DESCRIPTION:** A potent, selective and ATP-competitive inhibitor of Polo Like Kinase 1 (PLK1) (K_i = 2 nM). Displays >100-fold selectivity for PLK1 over PLK2 and PLK3. Shows anti-proliferative activity against several tumor cell lines.**REFERENCE:** Rheault, T.R., *et al.* (2010). *Bioorg. Med. Chem. Lett.* **20**, 4587-4592.**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**