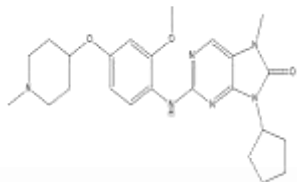


RELATED PRODUCTS:

MPI-0479605 (9589)

PRODUCT: AZ-3146**ALTERNATE NAME:** 9-Cyclopentyl-2-[[2-methoxy-4-[(1-methylpiperidin-4-yl)oxy]-phenyl]amino]-7-methyl-7,9-dihydro-8H-purin-8-one**CATALOG #:** B1145-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₄H₃₂N₆O₃**MOLECULAR WEIGHT:** 452.55**CAS NUMBER:** 1124329-14-1**APPEARANCE:** White Solid**SOLUBILITY:** DMSO (>10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** AZ 3146 is a potent and selective Mps1 (monopolar spindle 1) kinase inhibitor (IC₅₀ = 35 nM). Shows selectivity over 46 other kinases including aurora kinase B and Cdk1. AZ 3146 overrides spindle assembly checkpoint and also interferes with chromosome alignment. It has shown to inhibit the recruitment of Mad1, 2 and centromere protein E (CENP-E) to kinetochores.**REFERENCES:** Hewitt, L., *et al* (2010). *J.Cell Biol.* **190**, 25-34**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**