

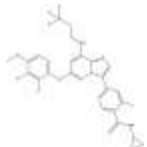
**PRODUCT: BAY-1217389**

**ALTERNATE NAME:** N-cyclopropyl-4-(6-(2,3-difluoro-4-methoxyphenoxy)-8-((3,3,3-trifluoropropyl)amino)imidazo[1,2-b]pyridazin-3-yl)-2-methylbenzamide

**CATALOG #:** B1295-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>24</sub>F<sub>5</sub>N<sub>5</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 561.51

**CAS NUMBER:** 1554458-53-5

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** BAY-1217389 is a potent, and selective inhibitor of the serine/threonine kinase monopolar spindle 1 (Mps1, TTK), with potential antineoplastic activity. Upon administration, BAY-1217389 selectively binds to and inhibits the activity of Mps1. This inactivates the spindle assembly checkpoint (SAC), accelerates mitosis, causes chromosomal misalignment and mitotic checkpoint complex destabilization.

**REFERENCES:** Wengner, A.M., *et al.* (2016). *Mol. Cancer Ther.* Feb 1. pii: molcanther.0500.2015. [Epub ahead of print] PubMed PMID: 26832791.

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

**RELATED PRODUCTS:**

AZ-3146 (**B1145**)

BAY-1217389 (**B1295**)

MPI-0479605 (**9589**)

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