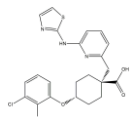


PRODUCT: MK-5108**ALTERNATE NAMES:** MK 5108, MK5108, VX-689, VX689**CATALOG #:** B1344-5, -25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₂H₂₁ClFN₃O₃S**MOLECULAR WEIGHT:** 461.94**CAS NUMBER:** 1010085-13-8**APPEARANCE:** Crystalline Solid**SOLUBILITY:** DMSO ≤ 6.4 mg/ml (Need warming)**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from air and light.**DESCRIPTION:** MK-5108 is highly selective Aurora A inhibitor with IC₅₀ of 0.064 nM; 220- and 190-fold more selective for Aurora A than Aurora B/C.**REFERENCES:**

1. Shan W, et al. A small-molecule inhibitor targeting the mitotic spindle checkpoint impairs the growth of uterine leiomyosarcoma. Clin Cancer Res. 2012 Jun 15;18(12):3352-65.
2. Shimomura T, et al. MK-5108, a highly selective Aurora-A kinase inhibitor, shows antitumor activity alone and in combination with docetaxel. Mol Cancer Ther. 2010 Jan;9(1):157-66.

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

- AT9283 (Cat# 2432)
- Aurora Kinase B Inhibitor (AZD1152-HQPA) (Cat# 1583)
- 7BIO (Cat# 9690)
- EZSolution™ Tozasertib (Cat# 1803)
- KW-2449 hydrochloride (Cat# B1208)
- MLN8237 (Cat# 2718)
- PF-03814735 (Cat# B1257)
- SNS-314 (Cat# 2446)
- TC-S 7010 (Cat# B1203)
- Tozasertib (VX-680, MK-0457, VX6) (Cat# 1595)
- Tripolin A (Cat# 2307)
- ZM 447439 (Cat# 2018)

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