



# LKT Laboratories, Inc.

## MK-5108 Hydrochloride

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### Product Information

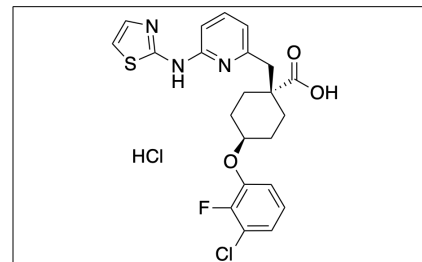
Product ID M400005  
CAS No.  
Chemical Name MK-5108 Hydrochloride

Synonym MK5108, VX-689, VX689

Formula  $C_{22}H_{21}ClFN_3O_3S \cdot HCl$   
Formula Wt. 498.39  
Melting Point  
Purity  $\geq 98\%$   
Solubility Solubility in DMSO-12  
mg/mL

Store Temp  $-20^{\circ}C$   
Ship Temp Ambient

Description MK-5108 inhibits aurora kinase A (AurA) preventing mitotic spindle formation and proper completion of mitosis. MK-5108 exhibits anticancer chemotherapeutic activity. In uterine leiomyosarcoma cells, MK-5108 inhibits proliferation and induces apoptosis; in animal models, this compound decreases tumor number and size. Additionally, in epithelial ovarian cancer cells, MK-5108 induces polyploidy and cell cycle arrest, and inhibits activation of NF- $\kappa$ B. TEST!!!!!!



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
M400005	1 mg	\$45.00
M400005	5 mg	\$135.00
M400005	10 mg	\$200.00

References Shan W, Akinfenwa PY, Savannah KB, 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. PMID: 22535157.

Chefetz I, Holmberg JC, Alvero AB, et al. Inhibition of Aurora-A kinase induces cell cycle arrest in epithelial ovarian cancer stem cells by affecting NF $\kappa$ B pathway. Cell Cycle. 2011 Jul 1;10(13):2206-14. PMID: 21623171.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.