



LKT Laboratories, Inc.

MK-5108 Hydrochloride

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Product Information

Product ID M400005
CAS No. 1010085-13-8
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

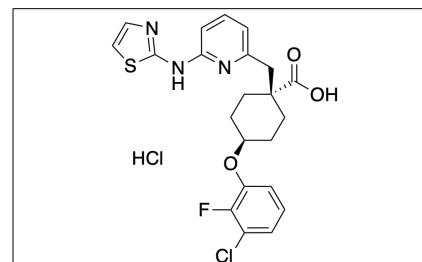
Purity $\geq 98\%$

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- κ B.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M400005	1 mg	\$58.50
M400005	5 mg	\$175.20
M400005	10 mg	\$259.60

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 κ 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.