



# LKT Laboratories, Inc.

## ZM-447439 Trihydrate

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### Product Information

Product ID Z4900

CAS No. 331771-20-1

Chemical Name

Synonym

Formula  $C_{29}H_{31}N_5O_4 \cdot 3H_2O$

Formula Wt. 567.63

Melting Point

Purity  $\geq 99\%$

Solubility DMSO 103 mg/mL (200.54 mM)  
Water Insoluble  
Ethanol Insoluble

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

Ship Temp Ambient

**Description** ZM-447439 inhibits aurora kinases A and B (AurA, AurB), preventing mitotic spindle formation and proper completion of mitosis. This compound exhibits anticancer activity, inducing hyperploidy and apoptosis in osteosarcoma cells and inhibiting growth in mesothelioma cells. ZM-447439 also induces apoptosis and inhibits expression of AurB and H3-P protein in cervical cancer cells, suppressing growth and survival.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
Z4900	1 mg	\$97.70
Z4900	5 mg	\$182.50
Z4900	25 mg	\$701.90

**References** Tavanti E, Sero V, Vella S, et al. Preclinical validation of Aurora kinases-targeting drugs in osteosarcoma. Br J Cancer. 2013 Nov 12;109(10):2607-18. PMID: 24129234.

Baldini E, Tuccilli C, Prinzi N, et al. The dual Aurora kinase inhibitor ZM447439 prevents anaplastic thyroid cancer cell growth and tumorigenicity. J Biol Regul Homeost Agents. 2013 Jul-Sep;27(3):705-15. PMID: 24152827.

Crispi S, Fagiarone C, Biroccio A, et al. Antiproliferative effect of Aurora kinase targeting in mesothelioma. Lung Cancer. 2010 Dec;70(3):271-9. PMID: 20371132.

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