



LKT Laboratories, Inc.
ZM-447439 Trihydrate

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

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

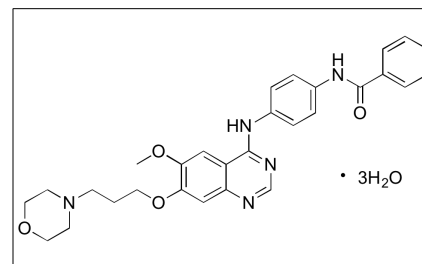
Purity $\geq 99\%$

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.



Bulk quantities available upon request

Product ID	Size
Z4900	1 mg
Z4900	5 mg
Z4900	25 mg

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, Fagliarone 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.