



LKT Laboratories, Inc.

MK-2206 Monohydrochloride

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Product Information

Product ID M4000

CAS No. 1032349-77-1

Chemical Name

Synonym MK-2206 hydrochloride

Formula $C_{25}H_{22}ClN_5O$

Formula Wt. 443.93

Melting Point

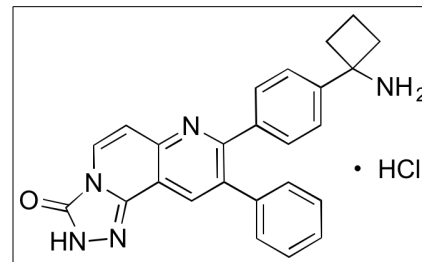
Purity $\geq 99\%$

Solubility Soluble in DMSO, water with 1 eq. of acid

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

Ship Temp Ambient

Description MK-2206 is an allosteric inhibitor of Akt that prevents translocation of Akt to membranes. MK-2206 exhibits anticancer chemotherapeutic activity in a variety of in vitro cancer models; this compound induces G1-phase cell cycle arrest in hepatocellular carcinoma cells, inhibits cell proliferation in non-small cell lung cancer cells, and inhibits proliferation in medullary thyroid cancer cells. In animal models of nasopharyngeal cancer, MK-2206 inhibits tumor growth.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M4000	1 mg	\$50.00
M4000	5 mg	\$93.70
M4000	25 mg	\$247.50

References Zhao YY, Tian Y, Zhang J, et al. Effects of an oral allosteric AKT inhibitor (MK-2206) on human nasopharyngeal cancer in vitro and in vivo. *Drug Des Devel Ther.* 2014 Oct 10;8:1827-37. PMID: 25336925.

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Quayle SN, Lee JY, Cheung LW, et al. Somatic mutations of PIK3R1 promote gliomagenesis. *PLoS One.* 2012;7(11):e49466. PMID: 23166678.

Iida M, Brand TM, Campbell DA, et al. Targeting AKT with the allosteric AKT inhibitor MK-2206 in non-small cell lung cancer cells with acquired resistance to cetuximab. *Cancer Biol Ther.* 2013 Jun;14(6):481-91. PMID: 23760490.

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