



LKT Laboratories, Inc.

MK-2206 Dihydrochloride

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Product Information

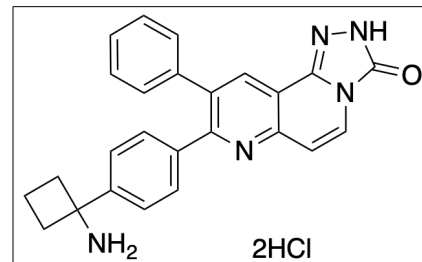
Product ID M400220
CAS No. 1032350-13-2
Chemical Name MK-2206 Dihydrochloride

Synonym MK-2206 hydrochloride

Formula $C_{25}H_{21}N_5O \cdot 2HCl$
Formula Wt. 480.39
Melting Point
Purity $\geq 99\%$
Solubility

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
M400220	5 mg	\$55.70
M400220	25 mg	\$154.60
M400220	100 mg	\$432.60

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.