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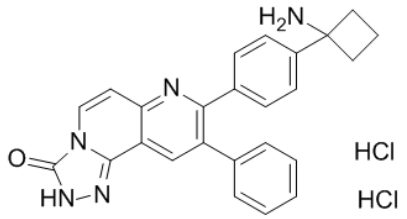
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	MK 2206 dihydrochloride
Cat. No.	:	PC-42551
CAS No.	:	1032350-13-2
Molecular Formula	:	$C_{25}H_{23}Cl_2N_5O$
Molecular Weight	:	480.389
Target	:	Akt
Solubility	:	DMSO



Biological Activity

MK 2206 dihydrochloride is a potent, orally active allosteric **Akt** inhibitor with IC50 of 5/12 nM for Akt1/Akt2 respectively.
MK 2206 shows 5-fold less potent against human Akt3 (IC50=65 nM).
MK 2206 synergistically inhibits cell proliferation of human cancer cell lines in combination with erlotinib or lapatinib in vitro.
MK 2206 suppresses the Akt phosphorylation that is induced by carboplatin and gemcitabine.

References

Hirai H, et al. ***Mol Cancer Ther.*** 2010 Jul;9(7):1956-67.

Cheng Y, et al. ***Mol Cancer Ther.*** 2012 Jan;11(1):154-64.

Whicker ME, et al. ***BMC Cancer.*** 2016 Jul 27;16:550.

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