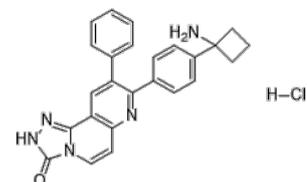


Product Name : MK-2206
Cat. No. : PC-26053
CAS No. : 1032349-77-1
Molecular Formula : C₂₅H₂₂ClN₅O
Molecular Weight : 443.94
Target : Akt
Solubility : 10 mM in DMSO



Biological Activity

MK-2206 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.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com