

MK-2206 dihydrochloride

Cat. # F6160, F6161

- Also Known as:** MK-2206 2HCl, 8-(4-(1-aminocyclobutyl)phenyl)-9-phenyl-[1,2,4]triazolo[3,4-f][1,6]naphthyridin-3(2H)-one
- Formula:** C₂₅H₂₁N₅O.2HCl
- MW:** 480.39 Da
- CAS No.:** 1032350-13-2
- Source:** Synthetic
- Form:** Lyophilized powder
- Solubility:** > 20 mg/ml in DMSO
- Concentration:** N/A
- Quality Assurance:** >98% by HPLC and NMR
- Description:** MK-2206 dihydrochloride is a highly selective inhibitor of Akt1/2/3 with IC₅₀ of 8 nM/12 nM/65 nM, respectively. Inhibits auto-phosphorylation of both Akt T308 and S473. MK-2206 also prevents Akt-mediated phosphorylation of downstream signaling molecules, including TSC2, PRAS40 and ribosomal S6 proteins.
- Storage:** Eligible for room temperature shipping. Store at -80°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in DMSO.
- Note:** Briefly spin the tube before removing the cap.
- Literature:** Yan L., et al. (2009) Abstract Number: DDT01-1.

