

MK-2206, Akt inhibitor

Catalog	Unit
TBI4801-5MG	5 mg
TBI4801-25MG	25 mg

Product Details

Formal Name: 8-(4-(1-Aminocyclobutyl)phenyl)-9-phenyl-2H-[1,2,4]triazolo[3,4-f][1,6]naphthyridin-3-one dihydrochloride

Molecular Formula: C₂₅H₂₁N₅O · 2HCl

Formula Weight: 480.39

CAS Number: 1032350-13-2

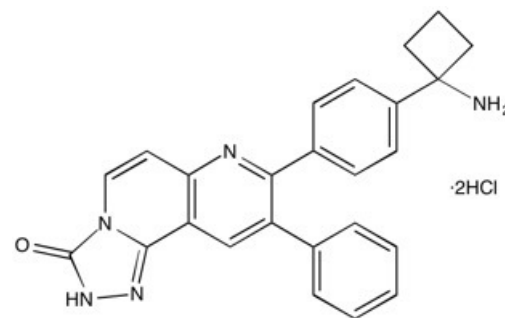
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Akt inhibitor

Functions

MK-2206 is a potent and selective allosteric inhibitor of Akt (IC₅₀s: Akt1 = 5 nM, Akt2 = 12 nM, Akt3 = 65 nM) that enhances the in vitro and in vivo antitumor efficacy of several standard chemotherapeutic agents. It was able to decrease insulin-stimulated glucose uptake, glycogen synthesis and glycogen synthase activity in rat muscle. MK-2206 induced G1-phase cycle arrest and sensitized HepG2 hepatocellular carcinoma cells to TRAIL-induced apoptosis.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.