

Product Name : MK-8353 hydrochloride

Synonyms : MK8353

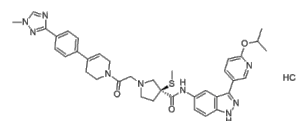
Cat No. : M13053

CAS Number : 1951448-73-9

Molecular Formula : C37H42ClN9O3S

Formula Weight : 728.31

Chemical Name : (S)-N-(3-(6-isopropoxy-pyridin-3-yl)-1H-indazol-5-yl)-1-(2-(4-(1-methyl-1H-1,2,4-triazol-3-yl)phenyl)-3,6-dihydropyridin-1(2H)-yl)-2-oxoethyl)-3-(methylthio)pyrrolidine-3-carboxamide hydrochloride



Description : MK-8353 hydrochloride (SCH-900353) is a highly potent, orally bioavailable, dual-specificity ERK1/2 inhibitor with IC50 of 23.0/8.8 nM, respectively; inhibits nonactivated ERK2 with IC50 of 0.5 nM, demonstrates excellent kinase selectivity over a 227-human kinase panel; decreases pERK1, pERK2, and ribosomal S6 kinase (pRSK) proteins, with complete suppression of pERK1 and pERK2 observed at 30 nM in A2058 cells, inhibits the in vitro proliferation of a panel of BRAFV600-mutant and RAS-mutant cancer cell lines; exhibits in vivo antitumor activity against BRAFV600 mutant Colo-205 colon cancer model and the BRAFV600 mutant SK-MEL-28 melanoma model. Colon Cancer Phase 1 Clinical

Pathway : MAPK/ERK Signaling

Target : ERK

Receptor : ERK

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Moschos SJ, et al. JCI Insight. 2018 Feb 22;3(4). pii: 92352.