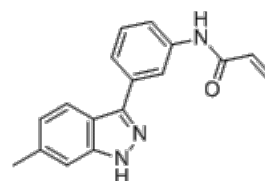


Product Name : MKK7-COV-3
Synonyms : MKK7 Covalen inhibitor 3
Cat No. : M16994
CAS Number :
Molecular Formula : C₁₇H₁₅N₃O
Formula Weight : 277.33
Chemical Name : N-(3-(6-methyl-1H-indazol-3-yl)phenyl)acrylamide



Description : MKK7-COV-3 (MKK7 Covalen inhibitor 3) is a potent, selective, covalent MKK7 inhibitor with in vitro IC₅₀ of 5 nM, displays >1,000-fold selectivity over MKK4 (IC₅₀=7.81 uM), shows EC₅₀ of 1.3 uM for reduction of p-JNK in ICW assays in Beas2B cell line, without effect on p-ERK levels at 10 uM; displays remarkable selectivity against a kinome panel of 76 kinases, with very few kinases inhibited by more than 75% at 1 uM: Aurora kinase B, LRRK2, and MKK4, as well as FLT3; inhibits 60% of the CD86+ response in primary mouse B cells in response to LPS stimulation (10 uM, 2 hr pre-incubation).

Pathway : MAPK/ERK Signaling

Target : MEK

Receptor : MEK

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shruga A, et al. Cell Chem Biol. 2018 Oct 24. pii: S2451-9456(18)30344-1.