

Product Name : Astex ERK inhibitor X

Synonyms : —

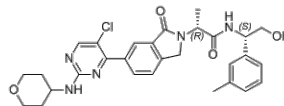
Cat No. : M13300

CAS Number : 2095719-90-5

Molecular Formula : C₂₉H₃₂ClN₅O₄

Formula Weight : 550.06

Chemical Name : (R)-2-(6-(5-chloro-2-((tetrahydro-2H-pyran-4-yl)amino)pyrimidin-4-yl)-1-oxoisindolin-2-yl)-N-((S)-2-hydroxy-1-(m-tolyl)ethyl)propanamide



Description : Astex ERK inhibitor X is a novel potent ERK1/2 inhibitor that inhibits ERK catalytic activity with IC₅₀ of 3 nM in TRK kinase assays; potently inhibits ERK catalytic activity in NCI-H358 and Calu-6 cells (K-Ras mutant NSCLC) with IC₅₀ of 11 and 15 nM, respectively; inhibits the proliferation of a panel of KRAS-mutant NSCLC cell lines, 55% of the KRAS-mutant NSCLC cell lines with IC₅₀ of 1-500 nM; demonstrates in vivo anti-tumor activity in a range of KRAS-mutant NSCLC cancer models.

Pathway : MAPK/ERK Signaling

Target : ERK

Receptor : ERK

Solubility : —

SMILES : ClC1=CN=C(NC2CCOCC2)N=C1C3=CC=C(CN([C@H](C)C(N[C@H](CO)C4=CC=CC(C)=C4)=O)C5=O)C5=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :