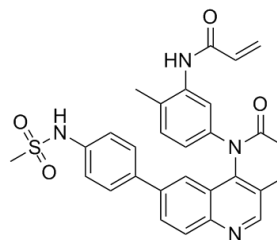


Product Name	: BMX-IN-1
Synonyms	: BMX kinase inhibitor
Cat No.	: M11829
CAS Number	: 1431525-23-3
Molecular Formula	: C ₂₉ H ₂₄ N ₄ O ₄ S
Formula Weight	: 524.59
Chemical Name	: 2-Propenamide, N-[2-methyl-5-[9-[4-[(methylsulfonyl)amino]phenyl]-2-oxobenzo[h]-1,6-naphthyridin-1(2H)-yl]phenyl]-
Description	: BMX-IN-1 (CAS 1431525-23-3) is a potent, selective, irreversible inhibitor of BMX kinase with IC ₅₀ of 8 nM; also inhibits BTK with IC ₅₀ of 10.4 nM and displays 47-656-fold less potent for Blk, JAK3, EGFR, Itk, or Tec; inhibits the proliferation of Tel-BMX-transformed Ba/F3 prostate cancer cells with GI ₅₀ of 25 nM, exhibits antiproliferative activity in RV-1, DU-145, PC-3, and VCAP prostate cancer cell lines with GI ₅₀ of 2-5 uM. Prostate cancer Preclinical
Pathway	: Tyrosine Kinase
Target	: BMX Kinase
Receptor	: BMX Kinase
Solubility	: 10 mM in DMSO
SMILES	: <chem>C=CC(NC1=CC(N2C(C=CC3=C2C4=CC(C5=CC=C(NS(=O)(C)=O)C=C5)=CC=C4N=C3)=O)=CC=C1C)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Liu F, et al. ACS Chem Biol. 2013 Jul 19;8(7):1423-8.