

Product Name : CC-115 hydrochloride

Synonyms : —

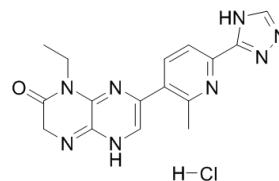
Cat No. : M11206

CAS Number : 1300118-55-1

Molecular Formula : C₁₆H₁₇ClN₈O

Formula Weight : 372.81

Chemical Name : Pyrazino[2,3-b]pyrazin-2(1H)-one, 1-ethyl-3,4-dihydro-7-[2-methyl-6-(1H-1,2,4-triazol-5-yl)-3-pyridinyl]-, hydrochloride (1:x)



Description : A novel dual inhibitor of mTOR and DNA-PK with IC₅₀ of 21 nM and 13 nM, respectively; blocks both mTORC1(pS6) and mTORC2(pAktS473) signaling in PC-3 cancer cells, in vitro and in vivo; exhibits dose-dependent efficacy in tumor xenograft models. Blood Cancer Phase 1 Clinical

Pathway : PI3K/Akt/mTOR signaling

Target : mTOR

Receptor : mTOR

Solubility : DMSO: ≥ 30 mg/mL

SMILES : CCN1C(=O)CNC2=NC=C(N=C21)C3=C(N=C(C=C3)C4=NC=NN4)C.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mortensen DS, et al. J Med Chem. 2015 Jul 23;58(14):5599-608. | 2. Thijssen R, et al. Blood. 2016 Jul 28;128(4):574-83.