

Product Name	: BX-912
Synonyms	: BX912; BX 912
Cat No.	: M15695
CAS Number	: 702674-56-4
Molecular Formula	: C ₂₀ H ₂₃ BrN ₈ O
Formula Weight	: 471.35
Chemical Name	: 1-Pyrrolidinecarboxamide, N-[3-[[5-bromo-4-[[2-(1H-imidazol-5-yl)ethyl]amino]-2-pyrimidinyl]amino]phenyl]-
Description	: BX-912 (BX912) is a potent, selective and ATP-competitive inhibitor of PDK1 with IC ₅₀ of 26 nM; blocks PDK1/Akt signaling in tumor cells and inhibits the anchorage-dependent growth of a variety of tumor cell lines in culture or induces apoptosis.
Pathway	: PI3K/Akt/mTOR signaling
Target	: PDK
Receptor	: CDK2/CyclinE; Chk1; PDK1; PKA; VEGFR2(KDR)
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(N1CCCC1)NC2=CC=CC(NC3=NC=C(Br)C(NCCC4=CNC=N4)=N3)=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Feldman RI, et al. J Biol Chem. 2005 May 20;280(20):19867-74. | 2. Mashukova A, et al. Mol Biol Cell. 2012 May;23(9):1664-74. | 3. Sturm EM, et al. Eur J Immunol. 2015 May;45(5):1548-59.