Cat No. 68-J23

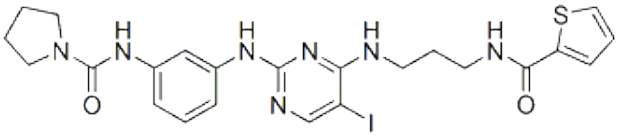
BX-795

2mg

For research purposes only

BX-795 is a potent inhibitor of both PDK1 and TBK1 as well as IKKε. It acts by blocking phosphorylation and is reversible.

TECHNICAL INFORMATION



Other Names: N-[3-[[5-IODO-4-[[3[[(2-Thienycarbonyl)Amino]Propyl]Amino]-2-Pyrimidinyl]Amino]Phenyl]-1-Pyrrolidinecarboxamide

Chemical Formula: $C_{23}H_{26}IN_7O_2S$

CAS Number: 702675-74-9

PubChem Substance ID: 10077147

Molecular Weight: 591.47

Purity: >95%

Appearance: White solid

Solubility: DMSO

IC_{50} : 6.00 nM

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. Soluble at 20mg/ml. Incubate overnight.

REFERENCES

1. Clark, K., et al. (2009). Use of the pharmacological inhibitor BX795 to study the regulation and physiological roles of TBK1 and IkappaB kinase epsilon: a distinct upstream kinase mediates Ser-172 phosphorylation and activation. J Biol Chem. 284(21)14134-46.
2. Tamguney, T., et al. (2008). Analysis of 3-phosphoinositide-dependent kinase-1 signaling and function in ES cells. Exp Cell Res. 314(11-12)2299-312.