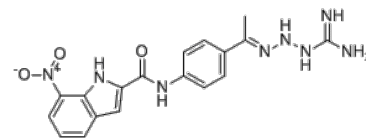


Product Name : PV1019
Cat. No. : PC-60283
CAS No. : 1093793-05-5
Molecular Formula : C₁₈H₁₇N₇O₃
Molecular Weight : 379.38
Target : Checkpoint Kinase (Chk)
Solubility : 10 mM in DMSO



CAS: 1093793-05-5

Biological Activity

PV1019 (NSC744039) is a potent, ATP-competitive and highly selective **Chk2** inhibitor with IC₅₀ of 138 nM. PV1019 displays much reduced or no activity against a panel of 52 other cellular kinases, including Chk1. PV1019 inhibits Chk2-mediated phosphorylation of Cdc25C (IC₅₀=260 nM), and nd HDMX degradation in response to DNA damage. PV1019 protects normal mouse thymocytes against ionizing radiation-induced apoptosis.

References

Jobson AG, et al. *J Pharmacol Exp Ther.* 2009 Dec; 331(3):816-26.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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