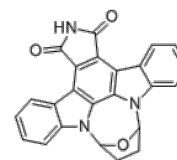


Product Name : SB218078
Cat. No. : PC-60290
CAS No. : 135897-06-2
Molecular Formula : C₂₄H₁₅N₃O₃
Molecular Weight : 393.4
Target : Checkpoint Kinase (Chk)
Solubility : 10 mM in DMSO



Biological Activity

SB218078 (SB-218078) is a potent inhibitor of **Chk1** that blocks phosphorylation of cdc25 with IC₅₀ of 15 nM. SB218078 less potently inhibits Cdc2 and PKC (IC₅₀=250 and 1,000 nM, respectively) and causes 85% inhibition of PKD1 at 1 uM. SB218078 enhances the cytotoxicity of DNA-damaging agents.

References

- Jackson JR, et al. **Cancer Res.** 2000 Feb 1;60(3):566-72.
Fishler T, et al. **Oncogene.** 2010 Jul 15;29(28):4007-17.
Akasaka T, et al. **Int J Oncol.** 2015 Jan;46(1):63-70.

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

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