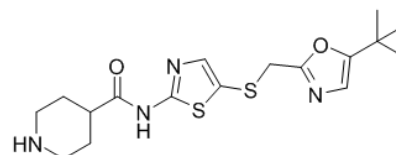


**Product Name** : SNS-032  
**Cat. No.** : PC-42052  
**CAS No.** : 345627-80-7  
**Molecular Formula** : C<sub>17</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 380.528  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



### Biological Activity

SNS-032 (BMS-387032) is a potent and selective inhibitor of **CDK2/7/9** with IC<sub>50</sub> of 48 nM/62 nM/4 nM, respectively. SNS-032 (BMS-387032) displays 10- and 20-fold selective over CDK1/cycB and CDK4/cycD (IC<sub>50</sub>=480 and 925 nM) respectively, and a panel of unrelated kinases, respectively. SNS-032 (BMS-387032) blocks the cell cycle via inhibition of CDKs 2 and 7, and transcription via inhibition of CDKs 7 and 9, has an A2780 cellular cytotoxicity assay IC<sub>50</sub> of 95 nM. SNS-032 (BMS-387032) exhibits a efficacy profile in A2780 human ovarian carcinoma xenograft model.

### References

- Misra RN, et al. *J Med Chem*. 2004 Mar 25;47(7):1719-28.  
Mukhopadhyay P, et al. *Cancer Res*. 2006 Feb 1;66(3):1758-66.  
Chen R, et al. *Blood*. 2009 May 7;113(19):4637-45.  
Heath EI, et al. *Invest New Drugs*. 2008 Feb;26(1):59-65.

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

E-mail: tech@probechem.com