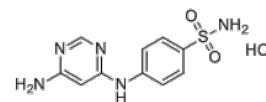


**Product Name** : PNU-112455A  
**Cat. No.** : PC-62677  
**CAS No.** : 21886-12-4  
**Molecular Formula** : C<sub>10</sub>H<sub>12</sub>ClN<sub>5</sub>O<sub>2</sub>S  
**Molecular Weight** : 301.749  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

PNU-112455A is an ATP-competitive **CDK2/5** inhibitor with Ki of 2 uM and 2 uM for cdk2-GST-cyclin E and cdk5-GST-p25 respectively, shows no activity against c-Met, IGR-1R, and ERK2.

## References

Clare PM, et al. J Biol Chem. 2001 Dec 21;276(51):48292-9.

Monaco EA 3rd, et al. Biochem Pharmacol. 2004 May 15;67(10):1947-64.

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

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