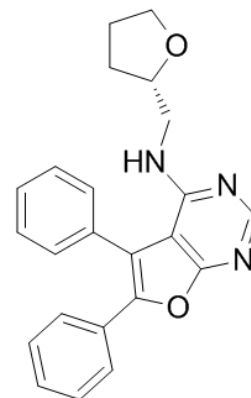


**Product Name** : AIM-100  
**Cat. No.** : PC-44307  
**CAS No.** : 873305-35-2  
**Molecular Formula** : C<sub>23</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 371.43  
**Target** : Ack1 (TNK2)  
**Solubility** : 10 mM in DMSO



## Biological Activity

AIM-100 (AIM100) is a highly potent inhibitor of **Ack1** (TNK2) (IC<sub>50</sub>=24 nM), selective for Ack1 over ABL1, BTK, Lck and LYN. AIM-100 inhibits Ack1 Tyr284-phosphorylation attenuated pTyr267-AR transcriptional activity which in turn resulted in cell cycle arrest.

AIM-100 inhibits pTyr284 -Ack1 expression, and prostate cancer cell proliferation.

## References

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Mahajan K, et al. *J Biol Chem*. 2012 Jun 22;287(26):22112-22.  
DiMauro EF, et al. *Bioorg Med Chem Lett*. 2007 Apr 15;17(8):2305-9.

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

E-mail: tech@probechem.com