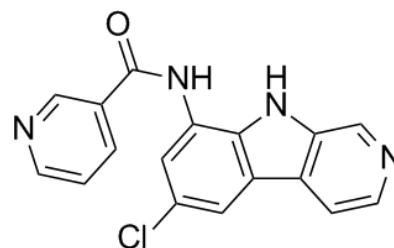


**Product Name** : PS-1145  
**Cat. No.** : PC-45398  
**CAS No.** : 431898-65-6  
**Molecular Formula** : C<sub>17</sub>H<sub>11</sub>ClN<sub>4</sub>O  
**Molecular Weight** : 322.7484  
**Target** : IκB kinase (IKK)  
**Solubility** : DMSO: ≥ 43 mg/mL



## Biological Activity

PS-1145 (PS1145) is a specific IκB kinase (**IKK**) inhibitor with IC<sub>50</sub> of 88 nM.

PS-1145 shows no activity for JNK2, c-Src, p38α, IRAK, Lck, etc..

PS-1145 blocks TNFα-induced NF-κB activation in MM cells through inhibition of IκBα phosphorylation and degradation of IκBα, respectively.

PS-1145 blocks the protective effect of IL-6 against Dex-induced apoptosis, inhibits both IL-6 secretion from BMSCs triggered by MM cell adhesion and proliferation of MM cells adherent to BMSCs.

## References

Hideshima T, et al. *J Biol Chem*. 2002 May 10;277(19):16639-47.

Akiyama M, et al. *Cancer Res*. 2002 Jul 1;62(13):3876-82.

Vodanovic-Jankovic S, et al. *Blood*. 2006 Jan 15;107(2):827-34.

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

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