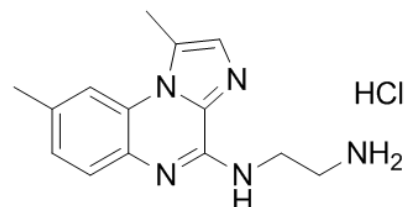


**Product Name** : BMS-345541  
**Cat. No.** : PC-42631  
**CAS No.** : 547757-23-3  
**Molecular Formula** : C<sub>14</sub>H<sub>18</sub>ClN<sub>5</sub>  
**Molecular Weight** : 291.7792  
**Target** : IκB kinase (IKK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

BMS-345541 is a potent and selective **IKK-2** inhibitor with IC<sub>50</sub> of 0.3 μM.  
BMS-345541 is less potent for IKK-1 (IC<sub>40</sub>=4 μM) and no activity against IKK-ε.  
BMS-345541 inhibits LPS-stimulated TNFα, IL-1β, IL-8, and IL-6 in THP-1 cells with IC<sub>50</sub> of 1-5 μM.  
BMS-345541 has excellent pharmacokinetics in mice.

## References

- Burke JR, et al. *J Biol Chem*. 2003 Jan 17;278(3):1450-6.  
McIntyre KW, et al. *Arthritis Rheum*. 2003 Sep;48(9):2652-9.  
López-Guerra M, et al. *Clin Cancer Res*. 2009 Apr 15;15(8):2767-76.

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

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