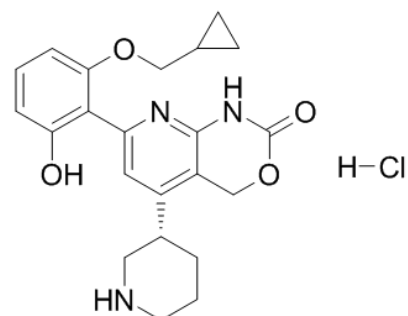


**Product Name** : Bay 65-1942 hydrochloride  
**Cat. No.** : PC-45915  
**CAS No.** : 600734-06-3  
**Molecular Formula** : C<sub>22</sub>H<sub>26</sub>ClN<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 431.9125  
**Target** : IκB kinase (IKK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

A potent, selective, ATP-competitive inhibitor of IKK $\beta$  kinase with  $K_i$  of 2 nM; displays >50-fold selectivity over IKK- $\alpha$ , does not inhibit ( $IC_{50}$  > 10  $\mu$ M) IKK3, MKK4, MKK7, ERK-1, Syk, Lck, Fyn, PI3K $\gamma$ , PKA, and PKC; inhibits stress-induced NF- $\kappa$ B transactivation, chemokine-, cytokine-, and adhesion molecule expression, and T- and B-cell proliferation; inhibits cockroach allergen-induced airway inflammation and hyperreactivity and efficiently abrogates leukocyte trafficking induced by carrageenan in mice.

## References

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Ziegelbauer K, et al. *Br J Pharmacol*. 2005 May;145(2):178-92.

Moss NC, et al. *Am J Physiol Heart Circ Physiol*. 2007 Oct;293(4):H2248-53.

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

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