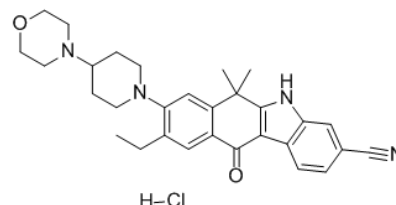


**Product Name** : Alectinib hydrochloride  
**Cat. No.** : PC-43321  
**CAS No.** : 1256589-74-8  
**Molecular Formula** : C<sub>30</sub>H<sub>35</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 519.0775  
**Target** : Anaplastic Lymphoma Kinase (ALK)  
**Solubility** : DMSO: 6 mg/mL (Need ultrasonic or warming)



## Biological Activity

Alectinib (CH5424802, AF-802) hydrochloride is a potent, selective **ALK** inhibitor with IC<sub>50</sub> of 1.9 nM.

Alectinib (CH5424802, AF-802) shows high selectivity versus KDR, KIT and MET (IC<sub>50</sub>>1,400 nM).

Alectinib (CH5424802, AF-802) exhibits anti-proliferative activity against NPM-ALK-positive cellline KARPAS-299 with IC<sub>50</sub> of 3 nM.

Alectinib (CH5424802, AF-802) also inhibits mutant ALK F1174L and R1275Q with IC<sub>50</sub> of 1 nM and 3.5 nM respectively; orally active.

## References

Kinoshita K, et al. *Bioorg Med Chem*. 2012 Feb 1;20(3):1271-80.

Sakamoto H, et al. *Cancer Cell*. 2011 May 17;19(5):679-90.

Kodama T, et al. *Mol Cancer Ther*. 2014 Dec;13(12):2910-8.

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

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