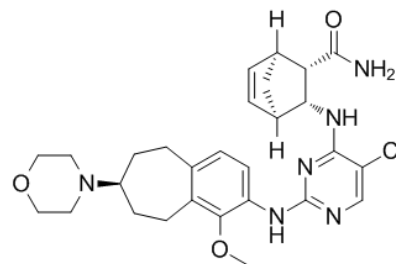


**Product Name** : CEP-28122  
**Cat. No.** : PC-45404  
**CAS No.** : 1022958-60-6  
**Molecular Formula** : C<sub>28</sub>H<sub>35</sub>ClN<sub>6</sub>O<sub>3</sub>  
**Molecular Weight** : 539.0689  
**Target** : Anaplastic Lymphoma Kinase (ALK)  
**Solubility** : 10 mM in DMSO



### Biological Activity

CEP-28122 is a highly potent and selective, orally active **ALK** inhibitor with IC<sub>50</sub> of 1.9 nM.

CEP-28122 exhibits no-to-weak inhibition against a panel of 259 kinases and only 15 kinases show >90% inhibition at 1 μM.

CEP-28122 shows growth inhibition/cytotoxicity of ALCL, NSCLC, and neuroblastoma cells, and displays dose-dependent inhibition of ALK tyrosine phosphorylation in tumor xenografts in mice (30 mg/kg).

### References

Cheng M, et al. *Mol Cancer Ther.* 2012 Mar;11(3):670-9.

Sullivan I, et al. *Ther Adv Med Oncol.* 2016 Jan;8(1):32-47.

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

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