

# CEP-28122

**Catalog No: tcsc5176**



## Available Sizes

---

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

---

**CAS No:**

1022958-60-6

**Formula:**

$C_{28}H_{35}ClN_6O_3$

**Pathway:**

Protein Tyrosine Kinase/RTK

**Target:**

ALK

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

539.07

## Product Description

CEP-28122 is a highly potent and selective orally active ALK inhibitor with IC<sub>50</sub> of 1.9 ± 0.5 nM in an enzyme-based TRF assay.

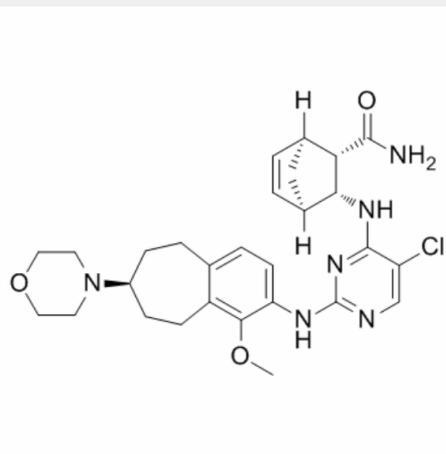
IC50 value:  $1.9 \pm 0.5$  nM

Target: ALK

in vitro: CEP-28122 is a potent inhibitor of recombinant ALK activity and cellular ALK tyrosine phosphorylation. CEP-28122 also inhibits Flt4 with IC50 of  $46 \pm 10$  nM. CEP-28122 induces concentration-dependent growth inhibition/cytotoxicity of ALK-positive anaplastic large-cell lymphoma (ALCL), non-small cell

lung cancer (NSCLC), and neuroblastoma cells. [1]

in vivo: CEP-28122 displays dose-dependent inhibition of ALK tyrosine phosphorylation in tumor xenografts in mice, with substantial target inhibition (>90%) for more than 12 hours following single oral dosing at 30 mg/kg. Dose-dependent antitumor activity was observed in ALK-positive ALCL, NSCLC, and neuroblastoma tumor xenografts in mice administered CEP-28122 orally, with complete/near complete tumor regressions observed following treatment at doses of 30 mg/kg twice daily or higher. [1]



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!