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Data Sheet

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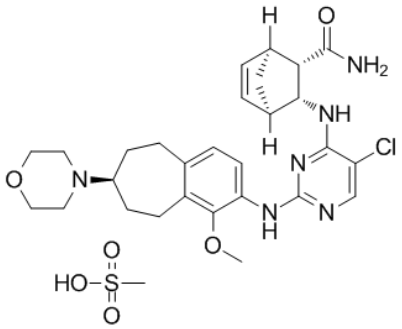
Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name : CEP-28122 mesylate
Cat. No. : PC-45405
CAS No. :
Molecular Formula : $C_{29}H_{39}ClN_6O_6S$
Molecular Weight : 635.1746
Target : Anaplastic Lymphoma Kinase (ALK)
Solubility : DMSO: ≥ 6.4 mg/mL; DMSO < 9.2 mg/mL



Biological Activity

A highly potent and selective, orally active ALK inhibitor with IC50 of 1.9 nM; exhibits no-to-weak inhibition against a panel of 259 kinases and only 15 kinases showes >90% inhibition at 1 uM; 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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