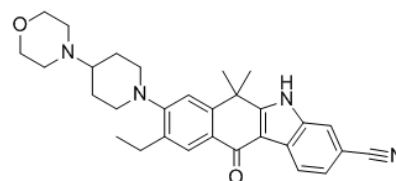


Product Name : Alectinib
Cat. No. : PC-43320
CAS No. : 1256580-46-7
Molecular Formula : C₃₀H₃₄N₄O₂
Molecular Weight : 482.6165
Target : Anaplastic Lymphoma Kinase (ALK)
Solubility : DMSO: 6.2 mg/mL (Need warming)



Biological Activity

Alectinib (CH5424802, AF-802) is a potent, selective **ALK** inhibitor with IC₅₀ of 1.9 nM.

Alectinib (CH5424802, AF-802) shows high selectivity versus KDR, KIT and MET (IC₅₀>1,400 nM).

Alectinib (CH5424802, AF-802) exhibits anti-proliferative activity against NPM-ALK-positive cellline KARPAS-299 with IC₅₀ of 3 nM.

Alectinib (CH5424802, AF-802) also inhibits mutant ALK F1174L and R1275Q with IC₅₀ 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!

E-mail: tech@probechem.com