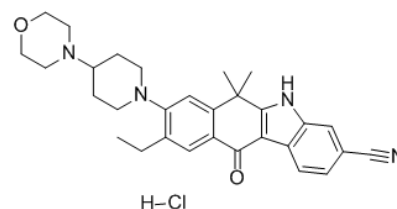


Product Name : Alectinib hydrochloride
Cat. No. : PC-43321
CAS No. : 1256589-74-8
Molecular Formula : C₃₀H₃₅ClN₄O₂
Molecular Weight : 519.0775
Target : Anaplastic Lymphoma Kinase (ALK)
Solubility : DMSO: 6 mg/mL (Need ultrasonic or warming)



Biological Activity

A potent, selective ALK inhibitor with IC₅₀ of 1.9 nM; shows high selectivity versus KDR, KIT and MET (IC₅₀>1,400 nM); exhibits anti-proliferative activity against NPM-ALK-positive cellline KARPAS-299 with IC₅₀ of 3 nM; also inhibits mutant ALK F1174L and R1275Q with IC₅₀ of 1 nM and 3.5 nM respectively; orally active.

Lung Cancer
Approved

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