

**Product Name** : Alectinib hydrochloride

**Synonyms** : CH5424802 hydrochloride; AF-802 hydrochloride; CH-5424802 hydrochloride

**Cat No.** : M11052

**CAS Number** : 1256589-74-8

**Molecular Formula** : C<sub>30</sub>H<sub>35</sub>ClN<sub>4</sub>O<sub>2</sub>

**Formula Weight** : 519.08

**Chemical Name** : 5H-Benzo[b]carbazole-3-carbonitrile, 9-ethyl-6,11-dihydro-6,6-dimethyl-8-[4-(4-morpholinyl)-1-piperidinyl]-11-oxo-, hydrochloride (1:1)

**Description** : A potent, selective ALK inhibitor with IC<sub>50</sub> of 1.9 nM; shows high selectivity versus KDR, KIT and MET (IC<sub>50</sub>>1,400 nM); exhibits anti-proliferative activity against NPM-ALK-positive cellline KARPAS-299 with IC<sub>50</sub> of 3 nM; also inhibits mutant ALK F1174L and R1275Q with IC<sub>50</sub> of 1 nM and 3.5 nM respectively; orally active. Lung Cancer Approved

**Pathway** : Angiogenesis

**Target** : ALK

**Receptor** : ALK

**Solubility** : DMSO: 6 mg/mL (Need ultrasonic or warming)

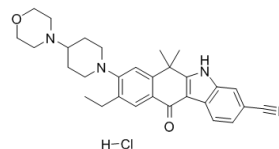
**SMILES** : CCC1=CC2=C(C(=C1N3CCC(CC3)N4CCOCC4)C(C5=C(C2=O)C6=C(N5)C=C(C=C6)C#N)(C)C)C.Cl

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Kinoshita K, et al. Bioorg Med Chem. 2012 Feb 1;20(3):1271-80. | 2. Sakamoto H, et al. Cancer Cell. 2011 May 17;19(5):679-90. | 3. Kodama T, et al. Mol Cancer Ther. 2014 Dec;13(12):2910-8.



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