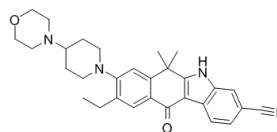


Product Name	: Alectinib
Synonyms	: CH5424802; AF-802; CH 5424802; AF802; AF 802
Cat No.	: M11051
CAS Number	: 1256580-46-7
Molecular Formula	: C ₃₀ H ₃₄ N ₄ O ₂
Formula Weight	: 482.62
Chemical Name	: 5H-Benzo[b]carbazole-3-carbonitrile, 9-ethyl-6,11-dihydro-6,6-dimethyl-8-[4-(4-morpholinyl)-1-piperidinyl]-11-oxo-
Description	: A potent, selective ALK inhibitor with IC ₅₀ of 1.9 nM; shows high selectivity versus KDR, KIT and MET (IC ₅₀ >1,400 nM); exhibits anti-proliferative activity against NPM-ALK-positive cellline KARPAS-299 with IC ₅₀ of 3 nM; also inhibits mutant ALK F1174L and R1275Q with IC ₅₀ of 1 nM and 3.5 nM respectively; orally active. Lung Cancer Approved
Pathway	: Angiogenesis
Target	: ALK
Receptor	: ALK; ALK(F1174L); ALK(R1275Q); INSR; VEGFR2(KDR)
Solubility	: DMSO: 6.2 mg/mL (Need warming)
SMILES	: <chem>CCC1=C(C=C2C(=C1)C(=O)C1=C(NC3=C1C=CC(=C3)C#N)C2(C)C)N1CCC(CC1)N1CCOCC1</chem>
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.