

Data Sheet

Product Information

Catalog Number	BP10302
Product Name	Alectinib
Description	Alectinib (CH5424802) is a potent, selective, and orally available ALK inhibitor with an IC ₅₀ of 1.9 nM and a K _d value of 2.4 nM (in an ATP-competitive manner), and also inhibits ALK F1174L and ALK R1275Q with IC ₅₀ s of 1 nM and 3.5 nM, respectively. Alectinib demonstrates effective central nervous system (CNS) penetration.
Targets&IC ₅₀	ALK: 1.9 nM, ALK (R1275Q): 3.5 nM, ALK (F1174L): 1 nM
In vitro	Cells including NSCLC, A549 and HCC827 are seeded in 96-well plates overnight and incubated with various concentrations of CH5424802 for the indicated time. For spheroid cell growth inhibition assay, cells are seeded on spheroid plates, incubated overnight, and then treated with compound for the indicated times. The viable cells are measured by the Luminescent Cell Viability Assay. Caspase-3/7 assay is evaluated using the Caspase-Glo 3/7 Assay Kit.(Only for Reference)
Synonyms	CH5424802, RG-7853, AF-802, AF802
CAS No.	1256580-46-7
Chemical Formula	C ₃₀ H ₃₄ N ₄ O ₂
Molecular Weight	482.628
Solubility	H ₂ O: 2.1 mM DMSO: 12.4 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure OR Tested Image	
--	---

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022

Purdue Bioscience Inc.