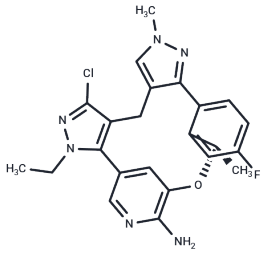
# Data Sheet (Cat.No.T83146)

TargetMol

ALK-IN-27

## Chemical Properties



CAS No. : 2739866-40-9

Formula: C23H22ClFN6O

Molecular Weight: 452.91

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

## Biological Description

| | |
|---|---|
| Description | Neladalkib (NVL-655) is a selective and brain-permeable ALK inhibitor with antitumor activity that inhibits a variety of ALK-mutant oncoproteins, and may be useful in the study of non-small cell cancers. |
| Targets(IC50) | Apoptosis,ALK |
| In vitro | Neladalkib is a potent ALK inhibitor with antitumor activity. Neladalkib has an IC50 = 2.7 nM for Ba/F3 CLIP1-LTK cells.[1] |

## Solubility Information

| | |
|---|---|
| Solubility | DMSO: 50 mg/mL (110.4 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.2079 mL | 11.0397 mL | 22.0794 mL |
| 5 mM | 0.4416 mL | 2.2079 mL | 4.4159 mL |
| 10 mM | 0.2208 mL | 1.104 mL | 2.2079 mL |
| 50 mM | 0.0442 mL | 0.2208 mL | 0.4416 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lin JJ, et al. NVL-655 Is a Selective and Brain-Penetrant Inhibitor of Diverse ALK-Mutant Oncoproteins, Including Lorlatinib-Resistant Compound Mutations. Cancer Discov. 2024 Sep 13:OF1-OF20.

Jennifer Anne Green, et al. Methods of treating solid tumor using (19r)-5-chloro-3-ethyl-16-fluoro-10,19-dimethyl-20-oxa-3,4,10,11,23-pentaazapentacyclo[19.3.1.02,6.08,12.013,18]pentacosa-1(24),2(6),4,8,11,13,15,17,21(25),22-decaen-22-amine. WO2023196910A1.



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