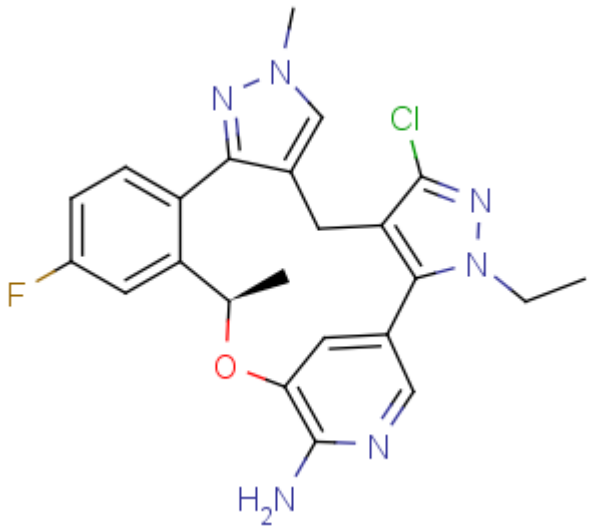
Name: NVL-655 Cat#: EX-A8218

Target: Anaplastic lymphoma kinase (ALK)
Pathway: Protein Tyrosine Kinase/RTK

Chemical Structure:



Chemical Name	4,8-Metheno-8H-dipyrazolo[3,4-h:4′,3′-k][2,5]benzoxaazacyclotetradecin-7-amine, 1-chloro-3-ethyl-12-fluoro-3,10,16,18-tetrahydro-10,16-dimethyl-, (10R)-

Molecular Weight	452.912	Storage	2 years 4°C powder 3 years -20°C powder 6 months -80°C in solvent
Formula	C23H22ClFN6O		
CAS No.	2739866-40-9	Synonyms	ALK-IN-27

Solubility (25°C) *	In vitro	DMSO	DMSO: >50mg/mL, need ultrasonic
		Ethanol	N/A
		Water	N/A
	In vivo （should be freshly prepared each time）		

* <1 mg/ml means slightly soluble or insoluble.

* Please note that Selleck tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.

Preparing Stock Solutions:

Mass / Volume / Concentration	1 mg	5 mg	10 mg
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	1.1040 mL	2.2079 mL

DMSO :

*The above data is based on the product molecular weight 452.91.

Biological Activities:

Description	NVL-655 (ALK-IN-27; compound 1) is a potent ALK inhibitor. ALK-IN-27 shows antitumor activity. NVL-655 (ALK-IN-27; compound 1) has an IC50 of 2.7 nM for Ba/F3 CLIP1-LTK cells[1].

References	[1]. 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.