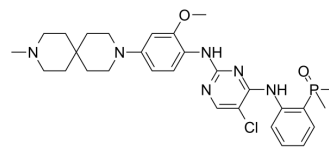


Iruplinalkib

Cat. No.:	HY-145574		
CAS No.:	1854943-32-0		
Molecular Formula:	C ₂₉ H ₃₈ ClN ₆ O ₂ P		
Molecular Weight:	569.08		
Target:	Anaplastic lymphoma kinase (ALK); ROS Kinase		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (17.57 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7572 mL	8.7861 mL	17.5722 mL
	5 mM	0.3514 mL	1.7572 mL	3.5144 mL
	10 mM	0.1757 mL	0.8786 mL	1.7572 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Iruplinalkib (WX-0593) is a potent, selective, and orally active inhibitor of ALK and ROS1 tyrosine kinase. Iruplinalkib (WX-0593) shows favorable safety and promising antitumor activity in advanced NSCLC with ALK or ROS1 rearrangement^[1].

IC₅₀ & Target

ALK and ROS1^[1]

REFERENCES

[1]. Shi Y, et al. Safety and activity of WX-0593 (Iruplinalkib) in patients with ALK- or ROS1-rearranged advanced non-small cell lung cancer: a phase 1 dose-escalation and dose-expansion trial. *Signal Transduct Target Ther.* 2022;7(1):25.

Caution: Product has not been fully validated for medical applications. For research use only.

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