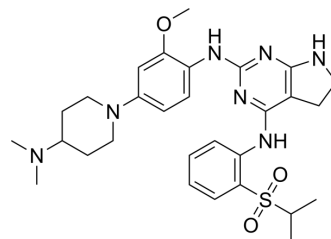


Ficonalkib

Cat. No.:	HY-152845		
CAS No.:	2233574-95-1		
Molecular Formula:	C ₂₉ H ₃₉ N ₇ O ₃ S		
Molecular Weight:	565.73		
Target:	Anaplastic lymphoma kinase (ALK)		
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 : 100 mg/mL (176.76 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg			5 mg			10 mg		
			1 mg			5 mg			10 mg		
Preparing Stock Solutions	1 mM		1.7676 mL			8.8381 mL			17.6763 mL		
	5 mM		0.3535 mL			1.7676 mL			3.5353 mL		
	10 mM		0.1768 mL			0.8838 mL			1.7676 mL		

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (4.42 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (4.42 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (4.42 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Ficonalkib is a potent inhibitor of Anaplastic lymphoma kinase (ALK), the tyrosine kinase receptor. Ficonalkib, can be used as an antineoplastic agent^{[1][2]}.

REFERENCES

- [1]. Liu Guocheng, et al. Preparation of anaplastic lymphoma kinase inhibitor: China, CN108276410. 2018-07-13.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA