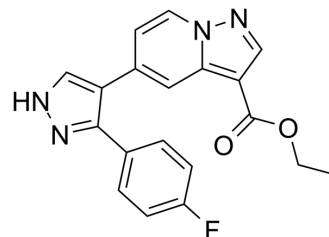


ALK5-IN-8

Cat. No.:	HY-144043		
CAS No.:	2705900-81-6		
Molecular Formula:	C ₁₉ H ₁₅ FN ₄ O ₂		
Molecular Weight:	350.35		
Target:	TGF-β Receptor		
Pathway:	TGF-beta/Smad		
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 : 50 mg/mL (142.71 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.8543 mL	14.2714 mL	28.5429 mL
5 mM	0.5709 mL	2.8543 mL	5.7086 mL
10 mM	0.2854 mL	1.4271 mL	2.8543 mL

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

BIOLOGICAL ACTIVITY

Description

ALK5-IN-8 is a potent inhibitor of TGFβRI (ALK5). ALK5-IN-8 Inhibits the phosphorylation of ALK5 on its downstream signaling proteins (Smad2 or Smad3) by blocking the binding of TGFβRI to ligands, thereby affecting or blocking TGF-β signaling. ALK5-IN-8 has the potential for the research of various ALK5-mediated related diseases (extracted from patent WO2021190425A1, compound 1)^[1].

REFERENCES

[1]. Zhiyong Yu, et al. Transforming growth factor-beta receptor inhibitor. Patent WO2021190425A1.

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

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