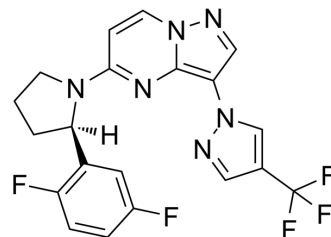


Paltimatrectinib

Cat. No.:	HY-145587		
CAS No.:	2353522-15-1		
Molecular Formula:	C ₂₀ H ₁₅ F ₅ N ₆		
Molecular Weight:	434.37		
Target:	Tyrosinase; Trk Receptor		
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling; 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 : 25 mg/mL (57.55 mM; ultrasonic and warming and heat to 75°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.3022 mL	11.5109 mL	23.0218 mL
5 mM	0.4604 mL	2.3022 mL	4.6044 mL
10 mM	0.2302 mL	1.1511 mL	2.3022 mL

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

BIOLOGICAL ACTIVITY

Description	Paltimatrectinib (compound I-147) is a potent tyrosine kinase inhibitor with an IC ₅₀ of <10 nM for tropomyosin kinases A (TrkA). Paltimatrectinib has the potential for cancer and inflammatory diseases ^[1] .
IC₅₀ & Target	TrkA

REFERENCES

[1]. Kollol Pal, et al. 5-(2-(2,5-difluorophenyl)pyrrolidin-1-yl)-3-(1H-pyrazol-1-yl)pyrazolo[1,5-a]pyrimidine derivatives and related compounds as trk kinase inhibitors for treating cancer. WO2019118584A1.

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

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