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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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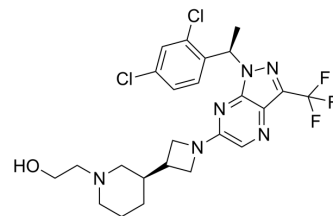
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Tivumecirnon

Cat. No.:	HY-148494		
CAS No.:	2174938-78-2		
Molecular Formula:	C ₂₄ H ₂₇ Cl ₂ F ₃ N ₆ O		
Molecular Weight:	543.41		
Target:	CCR		
Pathway:	GPCR/G Protein; Immunology/Inflammation		
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 (184.02 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.8402 mL	9.2012 mL	18.4023 mL
5 mM		0.3680 mL	1.8402 mL	3.6805 mL	
	10 mM	0.1840 mL	0.9201 mL	1.8402 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.60 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Tivumecirnon (FLX475) is an orally bioactive, selective CCR4 antagonist. Tivumecirnon can block the recruitment of immunosuppressive regulatory T cells (Treg) into the tumor microenvironment, leading to enhanced antitumor activity. Tivumecirnon has antitumor activity on EBV+ NK/T cell lymphoma and non-small cell lung cancer (NSCLC) combined with Pembrolizumab (HY-P9902). Tivumecirnon is promising for research of broad range of tumor types ^{[1][2][3][4]} .
IC₅₀ & Target	CCR4

REFERENCES

[1]. Hilary Plake BECK, et al. Chemokine receptor modulators and uses thereof. WO2018022992.

[2]. Adam Grant, et al. Abstract 2485: A combined mregDC and Treg signature associates with antitumor efficacy of CCR4 antagonist tivumecirnon FLX475. Cancer Res 15 March 2024; 84 (6_Supplement): 2485.

[3]. Tae Min Kim, et al. 629-C Phase 2 safety and efficacy of oral CCR4 antagonist FLX475 (tivumecirnon) plus pembrolizumab in subjects with non-small cell lung cancer not previously treated with checkpoint inhibitor[J]. 2023.

[4]. Dirk G. Brockstedt, et al., Clinical and biological activity of FLX475, an oral CCR4 antagonist, in advanced cancer. Journal of Clinical Oncology. 2023. 41, 2625-2625.

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

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