IL17A-IN-1

Cat. No.:	HY-158159	
Molecular Formula:	C ₃₀ H ₃₅ Cl ₂ N ₇ O ₃	
Molecular Weight:	612.55	
Target:	Interleukin Related	
Pathway:	Immunology/Inflammation	NH
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	ci ci

BIOLOGICAL ACTIV				
Description	IL17A-IN-1 (compound 72)	is an orally active Interleukin 17A inhibitor. IL17A-I s (plaque psoriasis, psoriatic arthritis, and ankylosi		
In Vitro		lls with an IC₅₀ value of 0.005 μM^[1]. y confirmed the accuracy of these methods. They a	are for reference only.	
In Vivo	IL17A-IN-1 (10 mg/kg; p.o.; single dose) inhibits plasma CXCL1 secretion in hIL17A-induced mouse (IL17 receptor-containing mouse) CXCL1 PD model ^[1] . (Subcutaneous injection of recombinant human IL17A into mice induces plasma CXCL1 secretion). MCE has not independently confirmed the accuracy of these methods. They are for reference only.			
	Animal Model:	C57BL/6 mice (hIL17A-induced mouse CXCL1	PD model) ^[1] .	
	Dosage:	10 mg/kg		
	Administration:	Oral administration; single dose		
	Result:	Inhibited 53% of CXCL1 secretion in hIL17A-in	duced mouse CXCL1 PD model.	
	Animal Model:	Male Sprague-Dawley rats; 360-460 g $^{[1]}$.		
	Dosage:	0.3 mg/kg		
	Administration:	Intravenous injection; single dose		
	Result:	Pharmacokinetic Parameters of IL17A-IN-1 in	male Sprague-Dawley rats ^[1] .	
			IV (0.3 mg/kg)	
		V _{ss} (L/kg)	5.0	



Product Data Sheet

t _{1/2} (h)	3.6
CLp/CLp,u (L/h/kg)	1.1/6.1

REFERENCES

[1]. Ramos AL, et al. Discovery of Small Molecule Interleukin 17A Inhibitors with Novel Binding Mode and Stoichiometry: Optimization of DNA-Encoded Chemical Library Hits to In Vivo Active Compounds. J Med Chem. 2024 Apr 4.

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