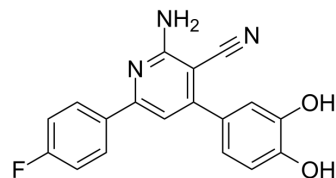


IL-4-inhibitor-1

Cat. No.:	HY-139092		
CAS No.:	1332184-63-0		
Molecular Formula:	C ₁₈ H ₁₂ FN ₃ O ₂		
Molecular Weight:	321.31		
Target:	Interleukin Related		
Pathway:	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 (311.23 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.1123 mL	15.5613 mL	31.1226 mL
		5 mM	0.6225 mL	3.1123 mL	6.2245 mL
10 mM		0.3112 mL	1.5561 mL	3.1123 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 (7.78 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	IL-4-inhibitor-1 (compound 52) is an IL-4 inhibitor, with an EC ₅₀ of 1.81 μM ^[1] .
IC ₅₀ & Target	EC ₅₀ : 1.81 μM (IL-4) ^[1] .
In Vitro	<p>IL-4-inhibitor-1 (compound 52) displays low micromolar affinity and exhibits functional disruption of type II IL-4 binding in a cellular context^[1].</p> <p>IL-4-inhibitor-1 (compound 52) exhibits dose-dependent reduction in pSTAT-6 levels with an EC₅₀ value of 3.1 μM, but did not affect the levels of STAT-6^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

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

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