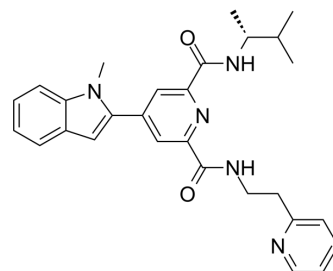


STAT6-IN-2

Cat. No.:	HY-153991		
CAS No.:	1355594-85-2		
Molecular Formula:	C ₂₈ H ₃₁ N ₅ O ₂		
Molecular Weight:	469.58		
Target:	STAT		
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt		
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 (212.96 mM; Need ultrasonic)					
		Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
	Preparing Stock Solutions	1 mM		2.1296 mL	10.6478 mL	21.2956 mL
		5 mM		0.4259 mL	2.1296 mL	4.2591 mL
		10 mM		0.2130 mL	1.0648 mL	2.1296 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 (5.32 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	STAT6-IN-2 (Comp R-84) is an inhibitor of STAT6. STAT6-IN-2 inhibits the secretion of chemokine eliciting eosinophil infiltration eotaxin-3. STAT6-IN-2 can be used for immune disease research ^[1] .
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REFERENCES

[1]. Zhou L, et.al. STAT6 phosphorylation inhibitors block eotaxin-3 secretion in bronchial epithelial cells. Bioorg Med Chem. 2012 Jan 15;20(2):750-8.

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

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