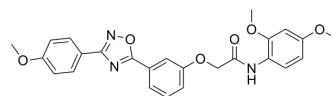


TIM-3-IN-2

Cat. No.:	HY-155175		
CAS No.:	1113126-49-0		
Molecular Formula:	C ₂₅ H ₂₃ N ₃ O ₆		
Molecular Weight:	461.47		
Target:	Tim3		
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 (216.70 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.1670 mL	10.8349 mL	21.6699 mL
	5 mM	0.4334 mL	2.1670 mL	4.3340 mL
	10 mM	0.2167 mL	1.0835 mL	2.1670 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 (5.42 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	TIM-3-IN-2 (Compound A-41) is a Tim3 inhibitor (K _D : 0.61 μM). TIM-3-IN-2 blocks TIM-3 interactions with PtdSer, CEACAM1, and Gal-9. TIM-3-IN-2 inhibits the immunosuppressive function of TIM-3. TIM-3-IN-2 reverses the TIM-3-mediated blockade of the production of proinflammatory cytokines, and maximizes the T-cell antitumor activity against AML cell lines ^[1] .
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REFERENCES

[1]. Abdel-Rahman SA, et al. Discovery of Small-Molecule TIM-3 Inhibitors for Acute Myeloid Leukemia Using Pharmacophore-Based Virtual Screening. *J Med Chem.* 2023 Aug 24;66(16):11464-11475.

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

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