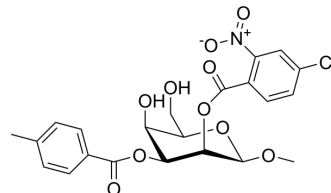


Galectin-3 antagonist 1

Cat. No.:	HY-146808		
CAS No.:	2921603-03-2		
Molecular Formula:	C ₂₂ H ₂₂ ClNO ₁₀		
Molecular Weight:	495.86		
Target:	Galectin		
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 (201.67 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.0167 mL	10.0835 mL	20.1670 mL
		5 mM	0.4033 mL	2.0167 mL	4.0334 mL
10 mM		0.2017 mL	1.0083 mL	2.0167 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.04 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.04 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Galectin-3 antagonist 1 (compound 15) is a potent and selective Galectin-3 (Gal-3) antagonist with K _d value of 5.3 μM. Meanwhile, Galectin-3 antagonist 1 binds to various Galectin with K _d values of 250 μM (Gal-4N), 18 μM (Gal-4C), 450 μM (Gal-8C), respectively ^[1] .
IC ₅₀ & Target	Galectin-3

REFERENCES

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

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