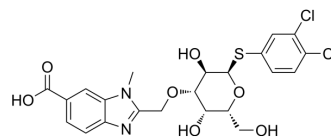


## Galectin-8N-IN-1

Cat. No.:	HY-150235		
CAS No.:	2667628-25-1		
Molecular Formula:	C <sub>22</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>7</sub> S		
Molecular Weight:	529.39		
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 : ≥ 50 mg/mL (94.45 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		1.8890 mL	9.4448 mL	18.8897 mL
	5 mM		0.3778 mL	1.8890 mL	3.7779 mL
	10 mM		0.1889 mL	0.9445 mL	1.8890 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

1. Add each solvent one by one: PBS  
 Solubility: 1 mg/mL (1.89 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Galectin-8N-IN-1 (compound 19a) is a potent and selective galectin-8N inhibitor with a K<sub>d</sub> value of 1.8 μM. Galectin-8N-IN-1 is a galectin-8N ligand. Galectin-8N-IN-1 can be used in research of immune system<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Galectin-8

### REFERENCES

[1]. Hassan M, et, al. Benzimidazole-galactosides bind selectively to the Galectin-8 N-Terminal domain: Structure-based design and optimisation. Eur J Med Chem. 2021 Nov 5;223:113664.

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

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