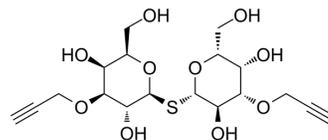


## Galectin-3-IN-1

<b>Cat. No.:</b>	HY-144312
<b>CAS No.:</b>	1989627-40-8
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>26</sub> O <sub>10</sub> S
<b>Molecular Weight:</b>	434.46
<b>Target:</b>	Galectin
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (230.17 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3017 mL	11.5085 mL	23.0171 mL
	5 mM	0.4603 mL	2.3017 mL	4.6034 mL
	10 mM	0.2302 mL	1.1509 mL	2.3017 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Galectin-3-IN-1 (Compound 1) is a potent multivalent inhibitor of galectin-3 (Gal-3). Galectin-3 participates in many cancer-related metabolic processes<sup>[1]</sup>. Galectin-3-IN-1 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

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

Galectin-3

### REFERENCES

[1]. David Vrbata, et al. Glycopolymers Decorated with 3- O-Substituted Thiodigalactosides as Potent Multivalent Inhibitors of Galectin-3. J Med Chem. 2022 Mar 10;65(5):3866-3878.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA