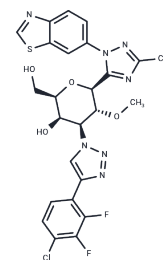


## Galectin-3-IN-3

## Chemical Properties

CAS No. :	2491661-50-6
Formula:	C <sub>25</sub> H <sub>22</sub> ClF <sub>2</sub> N <sub>7</sub> O <sub>4</sub> S
Molecular Weight:	590.00
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Galectin-3-IN-3 (Compound 4) serves as a selective and orally active inhibitor targeting Gal-3. It exhibits IC <sub>50</sub> values of 11 nM for mGal-3 and 84 nM for hGal-3 [1].
Targets(IC <sub>50</sub> )	Galectin
In vivo	Galectin-3-IN-3 (compound 4) (2 mg/kg; Intravenous Injection) exhibits low clearance (CL=8 mL/min/kg), a relatively high volume of distribution (V <sub>ss</sub> =1.8 L/kg), and good oral bioavailability (F=40%) in mouse plasma [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6949 mL	8.4746 mL	16.9492 mL
5 mM	0.339 mL	1.6949 mL	3.3898 mL
10 mM	0.1695 mL	0.8475 mL	1.6949 mL
50 mM	0.0339 mL	0.1695 mL	0.339 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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