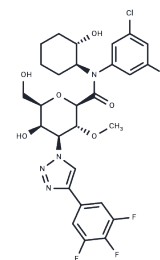


## Galectin-3-IN-6

## Chemical Properties

CAS No. :	2604662-64-6
Formula:	C <sub>28</sub> H <sub>29</sub> Cl <sub>2</sub> F <sub>3</sub> N <sub>4</sub> O <sub>6</sub>
Molecular Weight:	645.454
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-6 (Compound 12) is an orally active galectin-3 (Gal-3) inhibitor, with an IC <sub>50</sub> of 12 nM and a K <sub>d</sub> of 13 nM for Gal-3. In a CCl <sub>4</sub> -induced mouse model of acute liver injury and fibrosis, Galectin-3-IN-6 significantly reduces fibrosis markers collagen-1 and α-smooth muscle actin (αSMA) by 64% and 71%, respectively, demonstrating notable anti-fibrotic activity. Galectin-3-IN-6 is applicable for research in fibrosis-related diseases, cancer, and cardiovascular disorders.
Targets(IC <sub>50</sub> )	Galectin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5493 mL	7.7465 mL	15.4931 mL
5 mM	0.3099 mL	1.5493 mL	3.0986 mL
10 mM	0.1549 mL	0.7747 mL	1.5493 mL
50 mM	0.031 mL	0.1549 mL	0.3099 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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