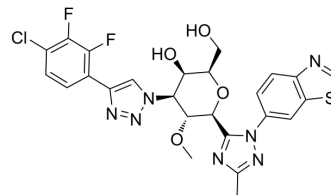


Galectin-3-IN-3

Cat. No.:	HY-163405
CAS No.:	2491661-50-6
Molecular Formula:	C ₂₅ H ₂₂ ClF ₂ N ₇ O ₄ S
Molecular Weight:	590
Target:	Galectin
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Galectin-3-IN-3 (Compound 4) is an orally active and selective inhibitor of Gal-3, with IC ₅₀ values of 11 nM and 84 nM against mGal-3 and hGal-3 respectively ^[1] .
IC ₅₀ & Target	Galectin-3
In Vivo	Galectin-3-IN-3 (2 mg/kg; i.v.; single dose) exhibits low clearance rate (CL=8 mL/min/kg), high volume of distribution (V _{SS} =1.8 L/kg), and good oral bioavailability (F=40%) in mice plasma ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Liu C, et al. Identification of benzothiazole derived monosaccharides as potent, selective, and orally bioavailable inhibitors of human and mouse galectin-3; a rare example of using a S...O binding interaction for drug design. *Bioorg Med Chem.* 2024;101:117638.

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

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