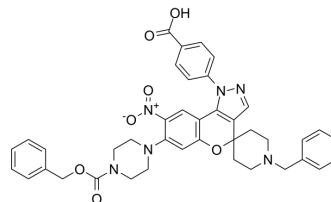


LIN28-IN-1

Cat. No.:	HY-155237
Molecular Formula:	C ₄₀ H ₃₈ N ₆ O ₇
Molecular Weight:	714.77
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LIN28-IN-1 (compound 5) is an inhibitor of the RNA-binding and regulatory protein LIN28 and binds to the LIN28 cold shock domain (CSD). LIN28-IN-1 effectively inhibits the interaction between LIN28 and let-7 miRNA (IC ₅₀ : 5.4 μM), blocking the negative impact of LIN28 on epigenetic gene regulation. LIN28-IN-1 significantly inhibits the proliferation of JAR cancer cells expressing LIN28 (IC ₅₀ : 6.4 μM) ^[1] .
IC ₅₀ & Target	IC ₅₀ : 5.4 μM (LIN28-let-7) ^[1]

REFERENCES

[1]. Borgelt L, et al. Spirocyclic Chromenopyrazole Inhibitors Disrupting the Interaction between the RNA-Binding Protein LIN28 and Let-7. *Chembiochem*. 2023 Sep 1;24(17):e202300168...

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

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