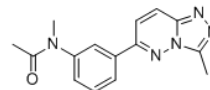


Product Name : C1632
Cat. No. : PC-70001
CAS No. : 108825-65-6
Molecular Formula : C₁₅H₁₅N₅O
Molecular Weight : 281.3
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

C1632 (Lin28-IN-1632) is a small molecule inhibitor of RNA binding protein **Lin28** that blocks the Lin28/let-7 interaction, rescues let-7 processing and function in Lin28-expressing cancer cells.

C1632 inhibits Lin28A from pre-let-7a-2 binding at IC₅₀ of 8 uM; induces differentiation of mouse embryonic stem cells, and reduces tumor-sphere formation by 22Rv1 and Huh7 cells.

C1632 inhibits proliferation and stem-like properties in human cancer cells (22Rv1, PC3, DU145, and Huh7) with GI₅₀ of 20-80 uM.

References

Roos M, et al. *ACS Chem Biol.* 2016 Oct 21;11(10):2773-2781.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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