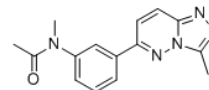


**Product Name** : C1632  
**Cat. No.** : PC-70001  
**CAS No.** : 108825-65-6  
**Molecular Formula** : C<sub>15</sub>H<sub>15</sub>N<sub>5</sub>O  
**Molecular Weight** : 281.3  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## 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 IC<sub>50</sub> 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 GI<sub>50</sub> 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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