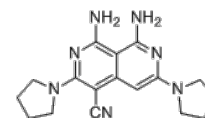


**Product Name** : miR544-IN-1  
**Cat. No.** : PC-62390  
**CAS No.** : 522606-67-3  
**Molecular Formula** : C<sub>17</sub>H<sub>21</sub>N<sub>7</sub>  
**Molecular Weight** : 323.404  
**Target** : MicroRNA  
**Solubility** : 10 mM in DMSO



## Biological Activity

miR544-IN-1 (SID 3712249) is a selective small molecule inhibitor of **miR-544** biogenesis. miR544-IN-1 (SID 3712249) selectively inhibits production of the mature microRNA, sensitizes cells to 5-fluorouracil, and derepresses mRNAs affected by miR-544 in cellulo and in vivo, including boosting mTOR expression. miR544-IN-1 (SID 3712249) reverses a tumor cell's physiological response to hypoxia.

## References

Haga CL, et al. *ACS Chem Biol.* 2015 Oct 16;10(10):2267-76.

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

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