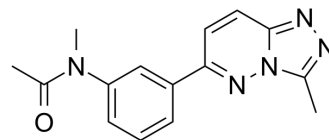


## Lin28-let-7 antagonist 1

<b>Cat. No.:</b>	HY-112659		
<b>CAS No.:</b>	108825-65-6		
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>15</sub> N <sub>5</sub> O		
<b>Molecular Weight:</b>	281.31		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (177.74 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.5548 mL	17.7740 mL	35.5480 mL
5 mM	0.7110 mL	3.5548 mL	7.1096 mL
10 mM	0.3555 mL	1.7774 mL	3.5548 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Lin28-let-7 antagonist 1 (compound 1632) is a potent antagonist of Lin28/pre-let-7 interaction. Lin28-let-7 antagonist 1 inhibits Lin28A binding to pre-let-7a-2, with an IC<sub>50</sub> of 8 μM. Lin28-let-7 antagonist 1 inhibits proliferation in human cancer cells<sup>[1]</sup>.

### REFERENCES

[1]. Roos M, et al. A Small-Molecule Inhibitor of Lin28. ACS Chem Biol. 2016 Oct 21;11(10):2773-2781.

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

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