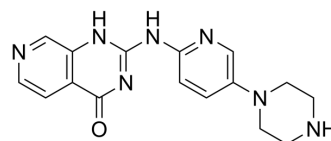


## microRNA-21-IN-3

Cat. No.:	HY-153534		
CAS No.:	2766106-83-4		
Molecular Formula:	C <sub>16</sub> H <sub>17</sub> N <sub>7</sub> O		
Molecular Weight:	323.35		
Target:	MicroRNA		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 10 mg/mL (30.93 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.0926 mL	15.4631 mL	30.9262 mL
5 mM	0.6185 mL	3.0926 mL	6.1852 mL
10 mM	0.3093 mL	1.5463 mL	3.0926 mL

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

### BIOLOGICAL ACTIVITY

#### Description

microRNA-21-IN-3 (compound 45) can specifically bind to the precursor of oncogenic and pro-inflammatory microRNA-21 with medium nanomolar affinity, reduce cancer cell proliferation and miR-21 levels, and can be used in antitumor research [1].

### REFERENCES

[1]. Matthew D Shortridge, et al. Drug-Like Small Molecules That Inhibit Expression of the Oncogenic MicroRNA-21. ACS Chem Biol. 2023 Feb 17;18(2):237-250.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA