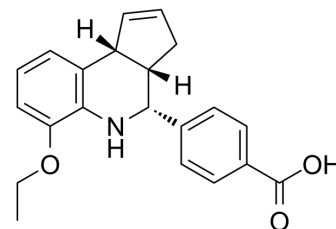


LIN28 inhibitor LI71

| | | | |
|---------------------------|---|-------|---------|
| Cat. No.: | HY-123905 | | |
| CAS No.: | 1357248-83-9 | | |
| Molecular Formula: | C ₂₁ H ₂₁ NO ₃ | | |
| Molecular Weight: | 335.4 | | |
| Target: | MicroRNA | | |
| Pathway: | Epigenetics | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 2 years |
| | | -20°C | 1 year |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (298.15 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.9815 mL | 14.9076 mL | 29.8151 mL |
| | 5 mM | 0.5963 mL | 2.9815 mL | 5.9630 mL |
| | 10 mM | 0.2982 mL | 1.4908 mL | 2.9815 mL |

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

BIOLOGICAL ACTIVITY

Description

LIN28 inhibitor LI71 is a potent and cell-permeable LIN28 inhibitor, which abolishes LIN28-mediated oligouridylation with an IC₅₀ of 7 μM. LIN28 inhibitor LI71 directly binds the cold shock domain (CSD) to suppress LIN28's activity against let-7 in leukemia cells and embryonic stem cells^[1].

IC₅₀ & Target

IC₅₀: 7 μM (LIN28)^[1]

REFERENCES

[1]. Wang L, et al. Small-Molecule Inhibitors Disrupt let-7 Oligouridylation and Release the Selective Blockade of let-7 Processing by LIN28. Cell Rep. 2018 Jun 5;23(10):3091-3101.

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

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