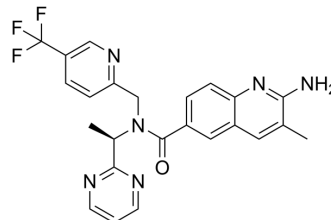


PRMT5-IN-25

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-148674 | | |
| CAS No.: | 2691869-82-4 | | |
| Molecular Formula: | C ₂₄ H ₂₁ F ₃ N ₆ O | | |
| Molecular Weight: | 466.46 | | |
| Target: | Histone Methyltransferase | | |
| 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 : 62.5 mg/mL (133.99 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.1438 mL | 10.7190 mL | 21.4381 mL |
| | 5 mM | 0.4288 mL | 2.1438 mL | 4.2876 mL |
| | 10 mM | 0.2144 mL | 1.0719 mL | 2.1438 mL |

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 6.25 mg/mL (13.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 6.25 mg/mL (13.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 6.25 mg/mL (13.40 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PRMT5-IN-25 (compound 503) is a potent PRMT5 inhibitor with an K_i value of 0.06 nM. PRMT5-IN-25 shows antiproliferative [1].

IC₅₀ & Target

PRMT5
0.06 nM (K_i)

In Vitro

PRMT5-IN-25 (6 days) shows antiproliferative activity with IC₅₀s of 0.026, 0.068 μM for HCT116-MTAP null, HCT116-WT cells,

respectively^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jennifer Rebecca Allen, et al. Novel prmt5 inhibitors. WO2021163344A1.

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