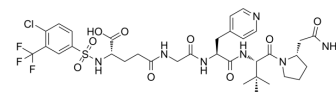


MMP-7-IN-3

| | |
|---------------------------|--|
| Cat. No.: | HY-156430 |
| CAS No.: | 2865097-58-9 |
| Molecular Formula: | C ₃₄ H ₄₃ ClF ₃ N ₇ O ₉ S |
| Molecular Weight: | 818.26 |
| Target: | MMP |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Sealed storage, away from moisture |
| | Powder -80°C 2 years |
| | -20°C 1 year |



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (122.21 mM; Need ultrasonic)

| Concentration | Mass | | |
|---------------|-----------|-----------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 1.2221 mL | 6.1105 mL | 12.2211 mL |
| 5 mM | 0.2444 mL | 1.2221 mL | 2.4442 mL |
| 10 mM | 0.1222 mL | 0.6111 mL | 1.2221 mL |

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

BIOLOGICAL ACTIVITY

Description

MMP-7-IN-3 is a potent and selective inhibitor of MMP-7. MMP-7-IN-3 suppresses kidney fibrosis progression in a mouse model with unilateral ureteral obstruction^[1].

REFERENCES

[1]. Abe-Sato K, et al. Structure-Based Optimization and Biological Evaluation of Potent and Selective MMP-7 Inhibitors for Kidney Fibrosis. J Med Chem. 2023 Oct 20.

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

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