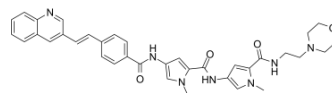


MGB-BP-3

| | | | |
|--------------------|---|-------|----------|
| Cat. No.: | HY-U00035 | | |
| CAS No.: | 1000277-08-6 | | |
| Molecular Formula: | C ₃₆ H ₃₇ N ₇ O ₄ | | |
| Molecular Weight: | 631.72 | | |
| Target: | Bacterial | | |
| Pathway: | Anti-infection | | |
| 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 : 125 mg/mL (197.87 mM; Need ultrasonic)

| Concentration | Mass | | |
|---------------|-----------|-----------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 1.5830 mL | 7.9149 mL | 15.8298 mL |
| 5 mM | 0.3166 mL | 1.5830 mL | 3.1660 mL |
| 10 mM | 0.1583 mL | 0.7915 mL | 1.5830 mL |

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

BIOLOGICAL ACTIVITY

Description

MGB-BP-3 is an antibiotic that has been shown to be active against a broad range of important multi-resistant Gram-positive pathogens.

REFERENCES

[1]. Fraser J. Scott, et al. An Evaluation of Minor Groove Binders as Anti-Lung Cancer Therapeutics. *Bioorg Med Chem Lett*. 2016 Aug 1;26(15):3478-86.

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

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