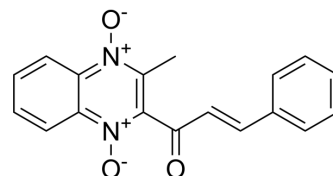


## Quinocetone

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-123581   |       |          |
| <b>CAS No.:</b>           | 81810-66-4  |       |          |
| <b>Molecular Formula:</b> | C <sub>18</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub> |       |          |
| <b>Molecular Weight:</b>  | 306.32  |       |          |
| <b>Target:</b>            | Antibiotic; Bacterial   |       |          |
| <b>Pathway:</b>           | Anti-infection  |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent  | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (326.46 mM; Need ultrasonic)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 3.2646 mL | 16.3228 mL | 32.6456 mL |
|                           | 5 mM    | 0.6529 mL | 3.2646 mL  | 6.5291 mL  |
|                           | 10 mM   | 0.3265 mL | 1.6323 mL  | 3.2646 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

Quinocetone is a potent synthetic antimicrobial agent that is used for improving the feed efficiency and controlling dysentery in food-producing animals<sup>[1]</sup>.

### REFERENCES

[1]. Zhao-Ying Liu, et al. The Metabolism of Carbadox, Olaquinox, Mequinox, Quinocetone and Cyadox: An Overview. Med Chem. 2013 Dec;9(8):1017-27.

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

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