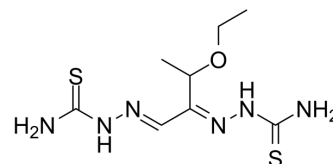


## Gloxazone

|                    |   |                |
|--------------------|---|----------------|
| Cat. No.:          | HY-121060   |                |
| CAS No.:           | 2507-91-7   |                |
| Molecular Formula: | C <sub>8</sub> H <sub>16</sub> N <sub>6</sub> OS <sub>2</sub> |                |
| Molecular Weight:  | 276.38  |                |
| 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 (452.28 mM; ultrasonic and warming and heat to 60°C)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 3.6182 mL | 18.0910 mL | 36.1821 mL |
|                           | 5 mM    | 0.7236 mL | 3.6182 mL  | 7.2364 mL  |
|                           | 10 mM   | 0.3618 mL | 1.8091 mL  | 3.6182 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

Gloxazone is an effective anaplasma<sup>[1]</sup>.

#### In Vivo

Gloxazone (5 mg/kg; i.v.) is effective in steers artificially infected with *Anaplasma marginale*<sup>[1]</sup>.  
 Gloxazone (0.1-3 mg/kg/day; oral) causes renal papillary necrosis and nephrotoxicity in rats<sup>[1]</sup>.  
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. McHardy N, et al. Comparison of gloxazone, an effective but toxic anaplasma<sup>[1]</sup>, with imidocarb dihydrochloride. Res Vet Sci. 1980 Sep;29(2):198-202.

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

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