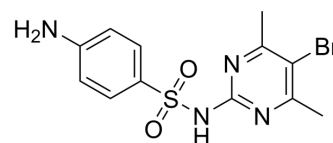


## Sulfabrom

|                    |   |       |          |
|--------------------|---|-------|----------|
| Cat. No.:          | HY-U00131   |       |          |
| CAS No.:           | 116-45-0  |       |          |
| Molecular Formula: | C <sub>12</sub> H <sub>13</sub> BrN <sub>4</sub> O <sub>2</sub> S |       |          |
| Molecular Weight:  | 357.23  |       |          |
| 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 : 100 mg/mL (279.93 mM; Need ultrasonic)   |                          |              |            |            |
|   |   | Solvent<br>Concentration | Mass<br>1 mg | 5 mg       | 10 mg      |
|   | Preparing Stock Solutions   | 1 mM                     | 2.7993 mL    | 13.9966 mL | 27.9932 mL |
|   |   | 5 mM                     | 0.5599 mL    | 2.7993 mL  | 5.5986 mL  |
| 10 mM   |   | 0.2799 mL                | 1.3997 mL    | 2.7993 mL  |            |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |              |            |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 1.67 mg/mL (4.67 mM); Clear solution |                          |              |            |            |
|   | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 1.67 mg/mL (4.67 mM); Clear solution            |                          |              |            |            |
|   | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 1.67 mg/mL (4.67 mM); Clear solution                            |                          |              |            |            |

### BIOLOGICAL ACTIVITY

|             |   |
|-------------|---|
| Description | Sulfabrom (N 3517; Sulfabromomethazine) is a long-acting Sulfonamide that is used for the treatment of coccidiosis and various bacterial infections in the poultry, swine and cattle. |
|-------------|---|

### REFERENCES

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

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