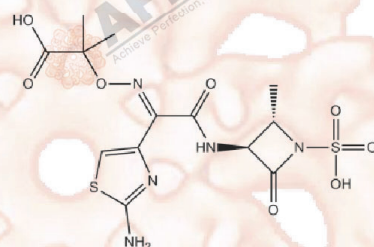


## Product Data Sheet

### Aztreonam

|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| Cat. No.: | A5931                                                                        |
| CAS No.:  | 78110-38-0                                                                   |
| Formula:  | C <sub>13</sub> H <sub>17</sub> N <sub>5</sub> O <sub>8</sub> S <sub>2</sub> |
| M.Wt:     | 435.43                                                                       |
| Synonyms: |                                                                              |
| Target:   | Microbiology & Virology                                                      |
| Pathway:  | Antibiotic                                                                   |
| Storage:  | Store at -20°C                                                               |



### Solvent & Solubility

insoluble in EtOH;  $\geq 10.24$  mg/mL in H<sub>2</sub>O with ultrasonic;  $\geq 18.9$  mg/mL in DMSO

| In Vitro | Preparing Stock Solutions | Solvent | Mass | Concentration | 1mg       | 5mg        | 10mg       |
|----------|---------------------------|---------|------|---------------|-----------|------------|------------|
|          |                           |         |      |               |           |            |            |
|          |                           |         |      |               |           |            |            |
|          |                           |         |      |               |           |            |            |
|          |                           |         |      | 1 mM          | 2.2966 mL | 11.4829 mL | 22.9658 mL |
|          |                           |         |      | 5 mM          | 0.4593 mL | 2.2966 mL  | 4.5932 mL  |
|          |                           |         |      | 10 mM         | 0.2297 mL | 1.1483 mL  | 2.2966 mL  |

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

### Biological Activity

|                           |                                                                                 |  |  |
|---------------------------|---------------------------------------------------------------------------------|--|--|
| Shortsummary              | Monobactam antibiotic,selectively active against Gram-negative aerobic bacteria |  |  |
| IC <sub>50</sub> & Target |                                                                                 |  |  |
| In Vitro                  | <b>Cell Viability Assay</b>                                                     |  |  |
|                           | Preparation method:                                                             |  |  |
| In Vivo                   | <b>Animal experiment</b>                                                        |  |  |
|                           | Applications:                                                                   |  |  |

### Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

Specific storage and handling information for each product is indicated on the product datasheet. Most APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

**APEx BIO Technology**

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