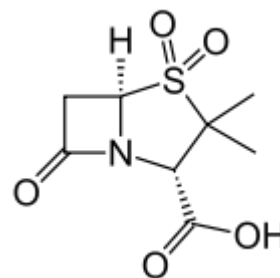




**Product Name :** SULBACTUM



**Product Description :** Sulbactam is a beta-lactamase inhibitor. This molecule is given in combination with beta-lactam antibiotics to inhibit beta-lactamase, an enzyme produced by bacteria that destroys the antibiotics. Sulbactam is an irreversible inhibitor of beta-lactamase; it binds the enzyme and does not allow it to interact with the antibiotic. Sulbactam is able to inhibit the most common forms of beta-lactamase but is not able to interact with the ampC cephalosporinase. Thus, it confers little protection against bacteria such as *Pseudomonas aeruginosa*, *Citrobacter*, *Enterobacter*, and *Serratia*, which often express this gene.

**Chemical Formula :** 2S,5R)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide

**CAS No :** 68373-14-8

**Molecular Formula :** C<sub>8</sub>H<sub>11</sub>NO<sub>5</sub>S

**Molecular Weight :** 233.243