



## Product Information

**Product ID** S8244

**CAS No.** 68373-14-8

**Chemical Name** (2S,5R)-3,3-Dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

**Synonym** CP 45899

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

**Formula Wt.** 233.25

**Melting Point** 148-151 °C

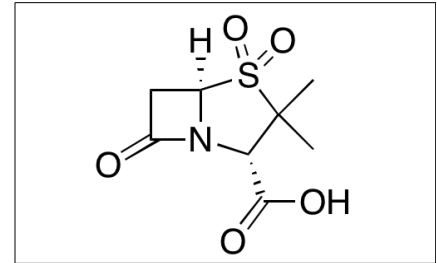
**Purity** ≥98%

**Solubility** Soluble in water, DMSO, ethanol, methanol, DMF.

**Store Temp** 4 °C

**Ship Temp** Ambient

**Description** Sulbactam is a β-lactamase inhibitor that is administered clinically to improve the efficacy of carbapenem antibiotics. Sulbactam is often administered to improve antibacterial efficacy against *Enterobacter* and *Staphylococcus*.



**Bulk quantities available upon request**

Product ID	Size
S8244	500 mg
S8244	1 g
S8244	5 g

**References** Li R, Liao JM, Gu CR, et al. Theoretical investigation on reaction of sulbactam with wild-type SHV-1 β-lactamase: acylation, tautomerization, and deacylation. *J Phys Chem B*. 2011 Sep 1;115(34):10298-310. PMID: 21797222.

Drawz SM, Bonomo RA. Three decades of beta-lactamase inhibitors. *Clin Microbiol Rev*. 2010 Jan;23(1):160-201. PMID: 20065329.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.