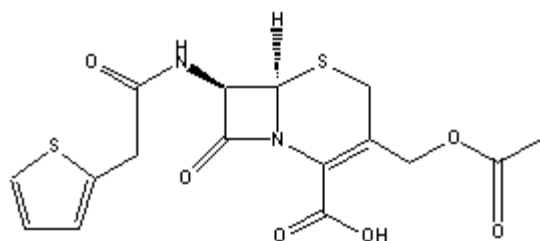


Catalog Number: 194155

## Cephalothin, sodium salt

Structure:



Na

**Molecular Formula:** C<sub>16</sub>H<sub>15</sub>N<sub>2</sub>O<sub>6</sub>S<sub>2</sub>Na

**Molecular Weight:** 418.4

**CAS #** 58-71-9

**Synonym:** 7-[2-Thienylacetamido]-cephalosporanic acid

**Physical Appearance:** White to off white crystalline powder

**Solubility:** Soluble in water (200 mg/ 4.0 ml of water-clear, faint yellow solution)

**Description:** An antibiotic which inhibits the synthesis of the cell wall (gram-positive and gram-negative bacteria). Effective concentration is typically about 100 ug/ml. Generally stable at 37° C for approximately 3 days.<sup>1</sup>

**Reference:**

1. Perlman, D., "Use of Antibiotics in cell culture media." *Methods in Enzymology: Cell Culture*, Jakoby, W.B. and Pastan, I.H. (eds.), Academic Press: New York, p. 112 (1979).