**Estramustine**

**Product ID** E7578  
**CAS No.** 2998-57-4

**Chemical Name**

**Synonym**

**Formula** $C_{23}H_{31}Cl_2NO_3$  
**Formula Wt.** 440.40  
**Melting Point** 104.5°C  
**Purity** ≥97%  
**Solubility**

**Store Temp** 4°C  
**Ship Temp** Ambient

**Description** Estramustine is a derivative of estradiol and the nitrogen mustard mechlorethamine that is clinically used to treat prostate cancer. Estramustine primarily exerts its anticancer chemotherapeutic activity through antimitotic actions. Estramustine acetylates microtubules, stabilizing them and inducing depolymerization, resulting in apoptosis across a variety of cancer cell types. Estramustine also increases DNA fragmentation in glioma cells and tumors (in vivo), but not in normal tissue.

**References**


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