



## Product Information

**Product ID** E6235  
**CAS No.** 56390-09-1  
**Chemical Name** 10-((3-amino-2,3,6-trideoxy-beta-L-arabino-hexopyranosyl)oxy)-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-4'-Epiadriamycin, Epiadriamycin, Ridorubicin, Ellence, Farmorubicin, Pharmorubicin  
**Synonym**

**Formula**  $C_{27}H_{29}NO_{11} \cdot HCl$

**Formula Wt.** 579.99

**Melting Point** 185° C (dec.)

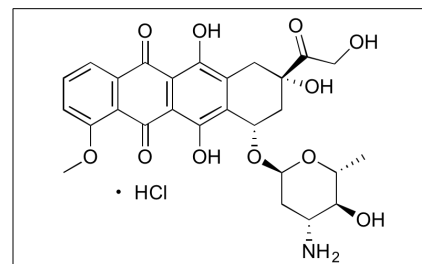
**Purity** ≥90%

**Solubility** Soluble in water, methanol.  
Insoluble in acetone.

**Store Temp** 4° C

**Ship Temp** Ambient

**Description** Epirubicin is an anthracycline that exhibits anticancer chemotherapeutic activity; it is an isomer of doxorubicin. Epirubicin acts as a DNA intercalator and topoisomerase II inhibitor, inhibiting DNA and RNA synthesis. This compound also increases levels of ROS. Epirubicin is clinically used to treat breast cancer.



**Bulk quantities available upon request**

Product ID	Size
E6235	1 mg
E6235	5 mg
E6235	10 mg

**References** Monteiro LJ, Khongkow P, Kongsema M, et al. The Forkhead Box M1 protein regulates BRIP1 expression and DNA damage repair in epirubicin treatment. *Oncogene*. 2013 Sep 26;32(39):4634-45. PMID: 23108394.

Conte PF, Gennari A, Landucci E, et al. Role of epirubicin in advanced breast cancer. *Clin Breast Cancer*. 2000 Sep;1 Suppl 1: S46-51. PMID: 11970749.

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