



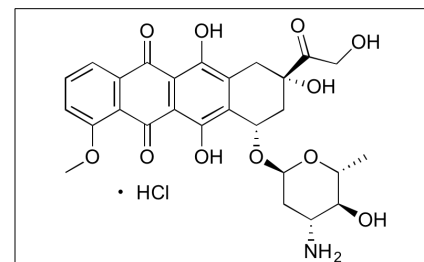
LKT Laboratories, Inc.

Epirubicin Hydrochloride

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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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E6235	1 mg	\$71.50
E6235	5 mg	\$142.90
E6235	10 mg	\$245.30

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.

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.