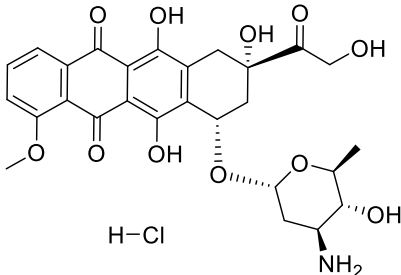




Certificate of Analysis

MedKoo Cat#: 100290	Product Name: Epirubicin hydrochloride	Lot#: T3Z06C04
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Chemical name	
(8S,10S)-10-(((2R,4S,5R,6S)-4-amino-5-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-6,8,11-trihydroxy-8-(2-hydroxyacetyl)-1-methoxy-7,8,9,10-tetrahydrotetracene-5,12-dione hydrochloride	
Synonyms	
IMI28; IMI 28; IMI-28; 4-epi DX; EPI; epi DX; 4-epiadriamycin; 4-epidoxorubicin; 4-epidoxorubicin HCl; epiADR; epidoxorubicin; epidorubicin; brand name: Ellence; Pharmorubicin PFS.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100290 Name: Epirubicin hydrochloride CAS#: 56390-09-1 Lot#: T3Z06C04 Chemical Formula: C ₂₇ H ₃₀ ClNO ₁₁ Molecular Weight: 579.98

Analysis item	Specifications / Results
Appearance	Red solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE