



LKT Laboratories, Inc.

Idarubicin Hydrochloride

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Product Information

Product ID I1400

CAS No. 57852-57-0

Chemical Name (7S,9S)-9-Acetyl-7-[(3-amino-2,3,6-trideoxy- α -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,9,11-trihydroxy-5,12-naphthacenedione hydrochloride

Synonym Idamycin, Zavedos

Formula $C_{26}H_{27}NO_9 \cdot HCl$

Formula Wt. 533.96

Melting Point 183-185°C

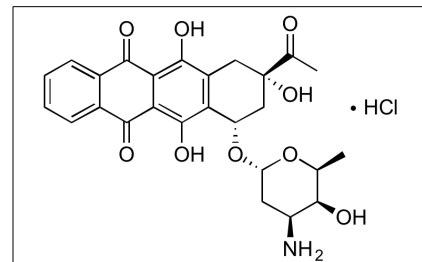
Purity $\geq 98\%$

Solubility Soluble in water and methanol.

Store Temp -20°C

Ship Temp Ambient

Description Idarubicin is an anthracycline and daunorubicin analog that exhibits anticancer chemotherapeutic activity; it is clinically used to treat leukemias. Idarubicin intercalates DNA, inhibiting topoisomerase II and inducing double-stranded DNA breaks and causing histone eviction.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
I1400	1 mg	\$61.10
I1400	5 mg	\$142.90
I1400	10 mg	\$326.70

References Eda Satana Kara H. Redox mechanism of anticancer drug idarubicin and in-situ evaluation of interaction with DNA using an electrochemical biosensor. *Bioelectrochemistry*. 2014 Oct;99:17-23. PMID: 24967755.

Pang B, Qiao X, Janssen L, et al. Drug-induced histone eviction from open chromatin contributes to the chemotherapeutic effects of doxorubicin. *Nat Commun*. 2013;4:1908. PMID: 23715267.

Crivellari D, Lombardi D, Spazzapan S, et al. New oral drugs in older patients: a review of idarubicin in elderly patients. *Crit Rev Oncol Hematol*. 2004 Feb;49(2):153-63. PMID: 15012975.

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