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DATASHEET

Epirubicin hydrochloride

Product overview

Name	Epirubicin hydrochloride
Cat No	HB4187
Alternative names	4'-Epidoxorubicin
Biological action	Inhibitor
Purity	>98%
Description	DNA synthesis and function inhibitor. Inhibits DNA topoisomerase II

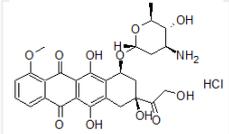
Biological Data

Biological description	Cell permeable DNA synthesis and function inhibitor. Also inhibits DNA topoisomerase II.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in ethanol (10 mM) and DMSO (100 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(8S,10S)-10-[(3-Amino-2,3,6-trideoxy- α -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(2-hydroxyacetyl)-1-methoxy-5,12-naphthacenedione hydrochloride
Molecular Weight	579.98
Chemical structure	
Molecular Formula	C ₂₇ H ₂₉ NO ₁₁ .HCl
CAS Number	56390-09-1
PubChem identifier	21584061
SMILES	CC1C(C(CC(O1)OC2CC(CC3=C(C4=C(C(=C23)O)C(=O)C5=C(C4=O)C=CC=C5OC)O)(C(=O)CO)O)N)O.Cl
InChiKey	MWWSFMDVAYGXBV-FGBSZODSSA-N
MDL number	MFC00941448
Appearance	Orange-red solid