Pirarubicin
PRODUCT DATA SHEET

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Product Name:	Pirarubicin
Product Number:	P117
CAS Number:	72496-41-4
Molecular Formula:	$C_{32}H_{37}NO_{12}$
Molecular Weight:	627.64
Description:	Pirarubicin is an anthracycline anticancer agent, an analogue of doxirubicin that is able to overcome some doxirubicin resistant cell lines. TOKU-E offers both pirarubicin (P116) and pirarubicin hydrochloride (P117). In aqueous solution, pirarubicin hydrochlloride is soluble in water. Pirarubicin is only slightly soluble in water.
Mechanism of Action:	Pirarubicin interacts with topoisomerase II, inhibiting the DNA polymerase complex and suppressing DNA replication.
References:	Zhao, H., Yao, Y., Wang, Z., Lin, F., Sun, Y., & Chen, P. (2010). Therapeutic effect of Pirarubicin-Based chemotherapy for Osteosarcoma patients with lung Metastasis. Journal of Chemotherapy, 22(2), 119–124. doi:10.1179/joc.2010.22.2.119