Rx only

WARNINGS

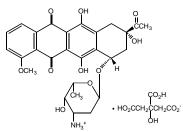
- Cardiac function should be monitored regularly in patients receiving DaunoXome (daunorubicin citrate liposome injection) because of the potential risk for cardiac toxicity and congestive heart failure. Cardiac monitoring is advised especially in those patients who have received prior anthracyclines or who have pre-existing cardiac disease or who have had prior radiotherapy encompassing the heart.
- 2. Severe myelosuppression may occur.
- DaunoXome should be administered only under the supervision of a physician who is experienced in the use of cancer chemotherapeutic agents. 3.
- Dosage should be reduced in patients with impaired hepatic function. (See DOSAGE AND ADMINISTRATION) 4
- A triad of back pain, flushing, and chest tightness has been reported in 13.8% of the patients (16/116) treated with DaunoXome in the Phase III clinical trial, and in 2.7% of treatment cycles (27/994). This 5. triad generally occurs during the first five minutes of the infusion, subsides with interruption of the infusion, and generally does not recur if the infusion is then resumed at a slower rate.

DESCRIPTION

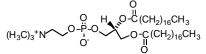
DaunoXome (daunorubicin citrate liposome injection) is a sterile, pyrogen-free, preservative-free product in a single use vial for intravenous infusion.

DaunoXome contains an aqueous solution of the citrate salt DaunoXome contains an aqueous solution of the citrate salt of daunorubicin encapsulated within lipid vesicles (ijposomes) composed of a lipid bilayer of distearoylphos-phatidylcholine and cholesterol (2:1 molar ratio), with a mean diameter of about 45 nm. The lipid to drug weight ratio is 18.7:1 (total lipid:daunorubicin base), equivalent to a 10:5:1 molar ratio of distearoylphosphatidylcholine: cholesterol:daunorubicin. Daunorubicin is an anthracycline antibiotic with antineoplastic activity, originally obtained cholesterol:daunorubicin. Daunorubicin is an anthracycline antibiotic with antineoplastic activity, originally obtained from *Streptomyces peucetius*. Daunorubicin has a 4-ring anthracycline moiety linked by a glycosidic bond to daunosamine, an amino sugar. Daunorubicin may also be isolated from *Streptomyces coeruleorubidus* and has the following chemical name: (8*S*-*cis*)-8-acetyl-10-[(3-amino-2,3,6-trideoxy-α-L-1/yzo-hexopyranosyl)oxyl-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-5,12-naphthacene-dione hydrochloride.

Daunorubicin citrate has the following chemical structure:

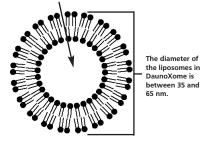


DSPC (distearoylphosphatidylcholine) has the following chemical



The following represents the idealized, spherical morphology of a liposome

This represents the aqueous core that contains norubicin citrate.



represents a molecule of DSPC.

Note: Liposomal encapsulation can substantially affe a drug's functional properties relative to thos unencapsulated drug. of the

In addition, different liposomal drug products may vary from one another in the chemical composition and physical form of the liposomes. Such differences can substantially affect the functional properties of liposomal drug products.

Each vial contains daunorubicin citrate equivalent to 50 mg of daunorubicin base, encapsulated in liposomes consisting of 704 mg distearoylphosphatidylcholine and 168 mg cholesterol. The liposomes encapsulating daunorubicin are dispersed in an aqueous medium containing 2,125 mg sucrose, 94 mg glycine, and 7 mg calcium chloride dihydrate in a total volume of 25 mL/vial. The pH of the dispersion is between 4.9 and 6.0. The liposome dispersion should appear red and translucent.

with conventional daunorubicin hydrochloride. The apparent elimination half-life of DaunoXome (daunorubicin citrate liposome injection) is 4.4 hours, far shorter than that of daunorubicin, and probably represents a distribution half-life. Although preclinical biodistribution data in animals sug-gest that DaunoXome crosses the normal blood-brain barriit is unknown whether DaunoXome crosses the bloodbrain barrier in humans.

Metabolism: Daunorubicinol, the major active metabolite of daunorubicin, was detected at low levels in the plasma following intravenous administration of DaunoXome.

No formal assessments of pharmacokinetic drug-drug interactions between DaunoXome and other agents have been conducted.

Special Populations: The pharmacokinetics of DaunoXome have not been evaluated in women, different ethnic groups, or in subjects with renal a hepatic insufficiency. in

Clinical Study

Clinical Study In an open-label, randomized, controlled clinical study conducted at 13 centers in the U.S.A. and Canada in advanced (25 or more mucocutaneous lesions; the devel-opment of 10 or more lesions in a one month period of time; symptomatic visceral involvement; or tumor-associated edema) HIV-related Kaposi's sarcoma, two treatment regimens were compared as first line cytotoxic therapy: DaunoXome 40 mg/m² and ABV (doxorubicin (Adriamycin[®]*) 10 mg/m², bleomycin 15 U, and vincristine 10 mm) All druns were administered intravenously every. ang). All drugs were administered intravency every 2 weeks. Responses were assessed using the AIDS Clinical Trials Group Oncology Committee of the National Institute of Allergy and Infectious Diseases (ACTG) criteria (a response required at least one of any of the following for (a less)offse required at least one of any of the following for at least 28 days: a. $\geq 50\%$ reduction in the number; b. $\geq 50\%$ reduction in the sums of the products of the largest perpendicular diameters of bidimensionally measurable marker lesions; or c. complete flattening of $\geq 50\%$ of all previously raised lesions). Table II summarizes the afficiency results. the efficacy results.

★ Adriamycin is a registered trademark of Pharmacia & Upjohn Co., Kalamazoo, MI.

TABLE II EFFICACY DATA FIRST LINE CYTOTOXIC THERAPY FOR ADVANCED KAPOSI'S SARCOMA

	DaunoXome	ABV	
	n=116	n=111	
Response Rate	23%*	30%	
Duration of Response, Median	110 days**	113 days	
Time to Progression, Median	92 days***	105 days	
Survival	342 days**** 291 day		

* The 95% confidence interval for difference in the response rates (ABV - DaunoXome) was (>5%, 18%).
* The hazard ratio (ABV/DaunoXome) for duration of response was 0.80, and the 95% confidence intervals were (0.44, 1.46).

- The hazard ratio (ABV/DaunoXome) for time to progression was 0.78, and the 95% confidence intervals were (0.57, 1.07).
- The hazard ratio for mortality (ABV/DaunoXome) was 1.29, and 95% confidence intervals were (0.92, 1.79)

Twenty of the 33 ABV responders responded to therapy by Twenty of the 33 ABV responders responded to therapy by criteria more stringent than flattening of lesions (i.e., shrink-age of lesions and/or reduction in the number of lesions). Eleven of the 27 DaunoXome responders responded to therapy by criteria other than flattening of lesions. Photographic evidence of tumor response to DaunoXome and ABV was comparable across all anatomic sites (e.g., face, oral cavity, trunk, legs, and feet).

INDICATIONS AND USAGE

DaunoXome is indicated as a first line cytotoxic therapy for advanced HIV-associated Kaposi's sarcoma. DaunoXome is not recommended in patients with less than advanced HIV-related Kaposi's sarcoma.

CONTRAINDICATIONS

Therapy with DaunoXome is contraindicated in patients who have experienced a serious hypersensitivity reaction to previous doses of DaunoXome or to any of its constituents.

WARNINGS

DaunoXome is intended for administration under the supervision of a physician who is experienced in the use of cancer chemotherapeutic agents.

The primary toxicity of DaunoXome is myelosuppression, especially of the granulocytic series, which may be severe, and associated with fever and may result in infection. Effects on the platelets and erythroid series are much less marked. Careful hematologic monitoring is required and since patients with HIV infection are immunocompromised, patients must be observed carefully for evidence of intercurrent or opportunistic infections.

Special attention must be given to the potential cardiac toxicity of DaunoXome. Although there is no reliable means of predicting congestive heart failure, cardiomyopathy induced by anthracyclines is usually associated with a decrease of the left ventricular ejection fraction (LVEF). accrease of the left ventricular ejection fraction (LVEF). Cardiac function should be evaluated in each patient by means of a history and physical examination before each course of DaunoXome and determination of LVEF should be performed at total cumulative doses of DaunoXome of 320 mg/m², and every 160 mg/m² thereafter.

atients who have received prior therapy with anthracyclines (doorrubicin > 300 mg/m² or equivalent), have pre-existing cardiac disease, or have received previous radiotherapy encompassing the heart may be less "cardiac" tolerant to treatment with DaunoXome. Therefore, monitor-ing of LVEF at cumulative DaunoXome doses should occur prior to therapy and every 160 mg/m² of DaunoXome.

In patients with Kaposi's sarcoma, congestive heart failure has been reported in one patient at a cumulative dose of

CLINICAL PHARMACOLOGY

Mechanism of Action

DaunoXome is a liposomal preparation of daunorubicin formulated to maximize the selectivity of daunorubicin for solid tumors in situ. While in the circulation, the DaunoXome formulation helps to protect the entrapped daunorubicin from chemical and enzymatic degradation, minimizes protein binding, and generally decreases uptake by normal (non-reticuloendothelial system) tissues. The specific mechanism by which DaunoXome is able to deliver specific metanism by which DaunoXome is able to deliver daunorubicin to solid tumors *in situ* is not known. However, it is believed to be a function of increased permeability of the tumor neovasculature to some particles in the size range of DaunoXome. In animal studies, daunorubicin has heen shown to accumulate in tumors to a greater extent when administered as DaunoXome than when administered as daunorubicin. Once within the tumor environment, daunorubicin is released over time enabling it to exert its antineoplastic activity.

Pharmacokinetics

Following intravenous injection of DaunoXome, plasma clearance of daunorubicin shows monoexponential decline. The pharmacokinetic parameter values for total daunoruthe pharmacokinetic parameter values for total daunoru-bicin following a single 40 mg/m² dose of DaunoXome administered over a 30 - 60 minute period to patients with AIDS-related Kaposi's sarcoma and following a single rapid intravenous, 80 mg/m² dose of conventional daunorubicin to patients with disseminated solid malignancies are shown in Table I.

TABLE I PHARMACOKINETIC PARAMETERS OF DAUNOXOME IN AIDS PATIENTS WITH KAPOSI'S SARCOMA AND REPORTED PARAMETERS FOR CONVENTIONAL DAUNORUBICIN

Parameter (units)	^a DaunoXome	^b Conventional Daunorubicin
Plasma Clearance (mL/min)	17.3 <u>+</u> 6.1	^c 236 <u>+</u> 181
Volume of Distribution (L)	6.4 <u>+</u> 1.5	1006 <u>+</u> 622
Distribution Half-Life (h)	4.41 <u>+</u> 2.33	0.77 <u>+</u> 0.3
Elimination Half-Life (h)		55.4 <u>+</u> 13.7

N=30; ^bN=4; ^cCalculated

The plasma pharmacokinetics of DaunoXome differ significantly from the results reported for conventional daunorubicin hydrochloride. DaunoXome has a small steady-state volume of distribution of 6.4 L, (probably because it is confined to vascular fluid volume), and clearance of 17 mL/min. These differences in the volume of distribution and clearance result in a higher daunorubicin evocume (in terms of nearea ALIC) from DaunoXome than exposure (in terms of plasma AUC) from DaunoXome than

340 mg/m² of DaunoXome. In eight Kaposi's sarcoma patients, LVEF decreases were reported at cumulative doses ranging from 200 mg/m² to 2100 mg/m² (median dose 320 mg/m²) of DaunoXome. In clinical studies in malignancies other than Kaposi's sarcoma and treated with doses of DaunoXome greater than the recommended dose of 40 mg/m², congestive heart failure has been reported at of 40 mg/m², congestive heart tailure nas been reported at a cumulative dose as low as 200 mg/m² of DaunoXome; seven patients have been reported with LVEF decreases. The proportion of patients at risk for cardiotoxicity is unknown because the denominator is uncertain since there were several instances of missing repeat cardiac evaluations.

A triad of back pain, flushing, and chest tightness has been reported in 13.8% of the patients (16/116) treated with DaunoXome in the randomized clinical trial and in 2.7% of treatment cycles (27/994). This triad generally occurs during the first five minutes of the infusion, subsides with interruption of the infusion, and generally does not recur if the infusion is then resumed at a slower rate. This combination of symptoms appears to be related to the lipid component of DaunoXome, as a similar set of signs and symptoms has been observed with other liposomal products not containing daunorubicin.

Daunorubicin has been associated with local tissue necrosis at the site of drug extravasation. Although no such local tissue necrosis has been observed with DaunoXome care should be taken to ensure that there is no extravasa tion of drug when DaunoXome is administered.

Dosage should be reduced in patients with impa ired hepatic function. (See DOSAGE AND ADMINISTRATION)

Pregnancy Category D

DaunoXome can cause fetal harm when administered to a pregnant woman. DaunoXome was administered to rats on gestation days 6 through 15 at 0.3, 1.0 or 2.0 mg/kg/day, (about 1/20th, 1/6th, or 1/3rd the recommended human dose on a mg/m² basis). DaunoXome produced severe maternal toxicity and embryolethality at 2.0 mg/kg/day and was embryotoxic and caused fetal malformations (anophthalmia, microphthalmia, incomplete ossification) at (a) 3 mg/kg/day. Embryotoxicity was characterized by increased embryo-fetal deaths, reduced numbers of litters, and reduced litter sizes.

There are no studies of DaunoXome in pregnant women. If DaunoXome is used during pregnancy, or if the patient becomes pregnant while taking DaunoXome, the patient must be warned of the potential hazard to the fetus. Patients should be advised to avoid becoming pregnant while taking DaunoXome.

PRECAUTIONS

Drug Interactions

In the patient population studied, DaunoXome has been administered to patients receiving a variety of concomitant

medications (e.g., antiretroviral agents, antiviral agents, anti-infective agents). Although interactions of DaunoXome (daunorubicin citrate liposome injection) with other drugs have not been observed, no systematic studies of interac-tions have been conducted.

Carcinogenesis, Mutagenesis, and

Impairment of Fertility

No carcinogenesis, mutagenesis, or impairment of fertility studies were conducted with DaunoXome.

Carcinogenesis: Carcinogenicity and mutagenicity studies have been conducted with daunorubicin, the active component of DaunoXome. A high incidence of mammary tumors was observed about 120 days after a single Intravenous dose of 12.5 mg/kg daunorubicin in rats (about 2 times the human dose on a mg/m² basis). Mutagenesis: Daunorubicin was mutagenic in *in vitro* tests (Ames assay, Daunorubicin was mutagenic in *in vitro* tests (Ames assay, V79 hamster cell assay), and clastogenic in *in vitro* (CCRF-CEM human lymphoblasts) and in *in vivo* (SCE assay in mouse bone marrow) tests. Impairment of Fertility: Daunorubicin intravenous doses of 0.25 mg/kg/day (about 8 times the human dose on a mg/m² basis) in male dogs caused testicular atrophy and total aplasia of spermatocytes in the seminiferous tubules.

Pregnancy

Pregnancy "Category D". See WARNINGS Section.

Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

Use in the Elderly

Safety and effectiveness in the elderly have not been established.

Special Populations

Safety has not been established in patients with pre-exist-ing hepatic or renal dysfunction.

ADVERSE REACTIONS

DaunoXome contains daunorubicin, encapsulated within a liposome. Conventional daunorubicin has acute myelosup-DaunoXome contains daunorubicin, encepsonates manual liposome. Conventional daunorubicin has acute myelosup-pression as its dose limiting side effect, with the greatest effect on the granulocytic series. In addition, daunorubicin causes alopecia, and nausea and vomiting in a significant number of patients treated. Extravasation of conventional daunorubicin can cause severe local tissue necrosis. Chronic therapy at total doses above 300 mg/m² causes a <u>causes alopecialated cardiomyopathy</u> with congestive cumulative-dose-related cardiomyopathy with congestive heart failure.

Administered as DaunoXome, daunorubicin has substan-tially altered pharmacokinetics and some differences in tany indice print matching and the toxicity of DaunoXome remains myelosuppression, principally of the granulocytic series, with much less marked effects on the platelets and erythroid series.

erythroid series. In an open-label, randomized, controlled clinical trial conducted in 13 centers in the U.S.A. and Canada in advanced HIV-related Kaposi's sarcoma, two treatment regimens were compared as first line cytotoxic therapy: DaunoXome and ABV (doxorubicin (Adriamycin®), bleomycin, and vincristine). All drugs were administered intravenously every 2 weeks. The safety data presented below include all reported or observed adverse experi-ences, including those not considered to be drug related. Patients with advanced HIV-associated Kaposi's sarcoma are seriously ill due to their underlying infection and are raterist with advanced invessociated reposts satconia are seriously ill due to their underlying infection and are receiving several concomitant medications including potentially toxic antiviral and antiretroviral agents. The contribution of the study drugs to the adverse experience profile is therefore difficult to establish.

Table III summarizes the important safety data.

TABLE III

SUMMARY OF IMPORTANT SAFETY DATA

	DaunoXome (N = 116) % of patients	ABV (N = 111) % of patients
Neutropenia (< 1000 cells/mm ³) Neutropenia (< 500 cells/mm ³)	36% 15%	35% 5%
Opportunistic Infections/ Illnesses,% of patients	40%	27%
Median time to first Opportunistic Infections/Illnesses	214 days	412 days**
Number of cases with absolute reduction in ejection fraction of 20 - 25%*	3	1
Number of cases removed from therapy due to cardiac causes*	2	0
Alopecia All grades % of patients	8%	36%***
Neuropathy All grades % of patients	13%	41%***

The denominator is uncertain since there were several instances of missing repeat cardiac evaluations.

** p = 0.21 *** p < 0.001

A triad of back pain, flushing and chest tightness was reported in 13.8% of the patients (16/116) treated with DaunoXome in the Phase III clinical trial and in 2.7% of treatment cycles (27/994). Most of the episodes were mild to moderate in severity (12% of patients and 2.5% of treatment cycles).

Mild alopecia was reported in 6% of patients treated with Mild alopecia was reported in 6% of patients treated with DaunoXome and moderate alopecia in 2% of patients. Mild nausea was reported in 35% of DaunoXome patients, moderate nausea in 16% of patients and severe nausea in 3% of patients. For patients treated with DaunoXome, mild vomiting was reported in 10%, moderate in 10%, and severe in 3% of patients. Although grade 3 - 4 injection site inflammation was reported in 2 patients treated with DaunoXome, no instances of local tissue necrosis were observed with extravasation.

Table IV is a listing of all the mild-moderate and severe adverse events reported on both treatment arms in Protocol 103-09 in \ge 5% of DaunoXome patients.

TABLE IV ADVERSE EXPERIENCES: PROTOCOL 103-09

Cardiovascular: Hot flushes, hypertension, palpitation, syncope, tachycardia. In other follow-up clinical trials of DaunoXome (daunorubicin citrate liposome injection) use in treatment of Kaposi's sarcoma or other malignancies, the following serious cardiac events were reported: Pericardial effusion, pericardial tamponade, ventricular extrasystoles, cardiac arrest, sinus tachycardia, atrial fibrillation, pulmonary hypertension, myocardial infarction, supraventricular tachy-cardia, angina pectoris (see WARNINGS section).

Digestive: Increased appetite, dysphagia, GI hemorrhage, gastritis, gingival bleeding, hemorrhoids, hepatomegaly, melena, dry mouth, tooth caries

Hemic and Lymphatic: Lymphadenopathy, splenomegaly Metabolic and Nutritional: Dehydration, thirst

Nervous: Amnesia, anxiety, ataxia, confusion, convul-sions, emotional lability, abnormal gait, hallucination, hyperkinesia, hypertonia, meningitis, somnolence, abnormal thinking, tremor

Respiratory: Hemoptysis, hiccups, pulmonary infiltration, ased sputum

Skin: Folliculitis, seborrhea, dry skin

Special Senses: Conjunctivitis, deafness, earache, eye pain, taste perversion, tinnitus

Urogenital: Dysuria, nocturia, polyuria

OVERDOSAGE

The symptoms of acute overdosage are increased severities of the observed dose-limiting toxicities of therapeutic doses of DaunoXome, myelosuppression (especially granulocytopenia), fatigue, and nausea and vomiting.

DOSAGE AND ADMINISTRATION

DaunoXome should be administered intravenously over a 60 minute period at a dose of 40 mg/m², with doses Odunitorie sieula de admissered intraventosiy over a 60 minute sieula a dose of 40 mg/m², with doses repeated every two weeks. Blood counts should be repeated prior to each dose, and therapy withheld if the absolute granulocyte count is less than 750 cells/mm³. Treatment should be continued until there is evidence of arrangeogramming there are best treased. progressive disease (e.g., based on best response achieved: new visceral sites of involvement, or progression of visceral disease; development of 10 or more new, cutaneous lesions or a 25% increase in the number of lesions compared to baseline; a change in the character of 25% or great of all sites where the day of the character of 25% or more of all previously counted flat lesions to raised; increase in surface area of the indicator lesions), or until other intercurrent complications of HIV disease preclude continuation of therapy.

Patients with Impaired Hepatic and Renal Function

Limited clinical experience exists in treating hepatically and renally impaired patients with DaunoXome

Therefore, based on experience with daunorubicin HCI, it is recommended that the dosage of DaunoXome be reduced if the bilirubin or creatinine is elevated as follows: Serum bilirubin 1.2 to 3 mg/dL, give ³/4 the normal dose; serum bilirubin or creatinine > 3 mg/dL, give ¹/2 the normal dose. Do not mix DaunoXome with other drugs.

Preparation Of Solution

DaunoXome should be diluted 1:1 with 5% Dextrose Injection (DSW) before administration. Each vial of DaunoXome contains daunorubicin citrate equivalent to 50 mg daunorubicin base, at a concentration of 2 mg/mL. The recommended concentration after dilution is 1 mg daunorubicin/mL of solution.

Use aseptic technique.

Aseptic technique must be strictly observed in all handling since no preservative or bacteriostatic agent is present in DaunoXome or in the materials recommended for dilution

Withdraw the calculated volume of DaunoXome from the vial into a sterile syringe, and transfer it into a sterile infusion bag containing an equivalent amount of DSW. Administer diluted DaunoXome immediately. If not used immediately, diluted DaunoXome should be refrigerated at $2^{\circ} - 8 \, ^{\circ} C \, (36^{\circ} - 46^{\circ} F)$ for a maximum of 6 hours.

Caution: The <u>only</u> fluid which may be mixed with DaunoXome is D5W; DaunoXome must not be mixed with saline, bacteriostatic agents such as benzyl alcohol, or any other solution.

Do not use an in-line filter for the intravenous infusion of DaunoXome

All parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration, whenever solution and container permit. DaunoXome is a translucent dispersion of An parenterial drug products shound be inspected visually for particulate matter and discoloration prior to administration, whenever solution and container permit. DaunoXome is a translucent dispersion of liposomes that scatters light to some degree. Do not use DaunoXome if it appears opaque, or has precipitate or foreign matter present.

Procedures for proper handling and disposal of anticancer drugs should be followed.1

HOW SUPPLIED

DaunoXome is a translucent, red, liposomal dispersion supplied in single use vials, each sealed with a synthetic rubber stopper and aluminum sealing ring with a plastic cap. DaunoXome provides daunorubicin citrate equivalent to 50 mg of daunorubicin base, at a concentration of angle 2 mg/mL

DaunoXome is supplied under NDC 61958-0301-1 for a single unit pack.

Storage

Store DaunoXome in a refrigerator, 2°-8°C (36°-46°F). Do not freeze. Protect from light.

U.S. PATENT NUMBERS

The United States Patent Numbers applicable to DaunoXome are: 5,441,745; 5,435,989; 5,019,369; DaunoXome are: 5,441,745; 5,435,989; 5,019,369; 4,946,683; 4,753,788; and additional patents pending.

REFERENCES

	DaunoXome (N = 116)		ABV (N = 111)	
	Mild Moderate	Severe	Mild Moderate	Severe
Nausea	51%	3%	45%	5%
Fatigue	43%	6%	44%	7%
Fever	42%	5%	49%	5%
Diarrhea	34%	4%	29%	6%
Cough	26%	2%	19%	0%
Dyspnea	23%	3%	17%	3%
Headache	22%	3%	23%	2%
Allergic Reactions	21%	3%	19%	2%
Abdominal Pain	20%	3%	23%	4%
Anorexia	21%	2%	26%	2%
Vomiting	20%	3%	26%	2%
Rigors	19%	0%	23%	0%
Back Pain	16%	0%	8%	0%
Increased Sweating	12%	2%	12%	0%
Neuropathy	12%	1%	38%	3%
Rhinitis	12%	0%	6%	0%
Edema	9%	2%	8%	1%
Chest Pain	9%	1%	7%	0%
Depression	7%	3%	6%	0%
Malaise	9%	1%	11%	1%
Stomatitis	9%	1%	8%	0%
Alopecia	8%	0%	36%	0%
Dizziness	8%	0%	9%	0%
Sinusitis	8%	0%	5%	1%
Arthralgia	7%	0%	6%	0%
Constipation	7%	0%	18%	0%
Myalgia	7%	0%	12%	0%
Pruritus	7%	0%	14%	0%
Insomnia	6%	0%	14%	0%
Influenza-like symptoms	5%	0%	5%	0%
Tenesmus	4%	1%	1%	0%
Abnormal vision	3%	2%	3%	0%

follov vere reported in ing advers events е patients treated with DaunoXome, tabulated by body system.

Body As A Whole: Injection site inflammation

- ONS Clinical Practice Committee. Cance Chemotherapy Guidelines and Recommendations for Practice. Pittsburg, Pa: Oncology Nursing Society; 1999:32-41
- Recommendations for the Safe Handling of Parenteral Antineoplastic Drugs. Washington, DC: Division of Safety, Clinical Center Pharmacy Department and Cancer Nursing Services, National Institutes of Health; 1992. US Dept of Health and Human Services, Public Health Services Publicing NIH 02 (2011) Health Service Publication NIH 92-2621.
- AMA Council on Scientific Affairs. Guidelines for 3 Handling Parenteral 1985;253:1590-1591. Antineoplastics. IAMA
- National Study Commission on Cytotoxic Exposure -Recommendations for Handling Cytotoxic Agents. 1987. Available from Louis P. Jeffrey, Sc.D., Chairman, National Study Commission on Cytotoxic Exposure. Massachusetts College of Pharmacy and Allied Health 4. Sciences, 179 Longwood Avenue, Boston, MA 02115.
- Clinical Oncological Society of Australia. Guideli and Recommendations for Safe Handling Antineoplastic Agents. *Med J Australia*. 1983;1:4 Guideline of 1983;1:426-428
- Jones RB, Frank R, Ma Chemotherapeutic Agents: Mass T. Safe Handlin nts: A Report from the M Safe Handling of unt Sinai Medical Center. CA-A Cancer J for Clin. 1983;33:258-263
- American Society of Hospital Pharmacists. ASHP Technical Assistance Bulletin on Handling Cytotoxic and Hazardous Drugs. Am J Hosp Pharm. and Hazardous 1990;47:1033-1049.
- Controlling Occupational Exposure to Hazardous Drugs. (OSHA Work-Practice Guidelines). Am J Health-Syst Pharm. 1996;53:1669-1685. 8.

GILEAD

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For medical information about DaunoXome (daw-nuh-zome), call 800-GILEAD-5 (800-445-3235).

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Rev.7/02

