



DOXOrubicin HCI Liposome Injection

Expanding Our Portfolio Of Generic Injectables

- AB-rated to **DOXIL®**
- Preservative Free
- Not made with natural rubber latex



WARNING: CARDIOMYOPATHY and INFUSION RELATED REACTIONS

See full prescribing information for complete boxed warning.

- · Myocardial damage may lead to congestive heart failure and may occur as the total cumulative dose of doxorubicin HCI approaches 550 mg/m². The risk of cardiomyopathy may be increased at lower cumulative doses with mediastinal irradiation.
- Acute infusion-related reactions occurred in 11% of patients with solid tumors. Serious, life-threating, and fatal infusion reactions have been reported. Medications/emergency equipment to treat such reactions should be available for immediate use.

Dr. Reddy's Laboratories, Inc.

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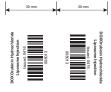
Generic Name	DOXOrubicin HCI Liposome Injection
RLD	DOXIL®
Description	Sterile, Translucent, Red Liposomal Dispersion
Rating	AB
Storage	Refrigerate, 2°-8°C (36°-46°F)

	20 mg vial	50 mg vial
NDC#	43598-0283-35	43598-0541-25
Concentration	2 mg/mL	2 mg/mL
Total Content	20 mg/10 mL	50 mg/25 mL
Container Type	Single-Dose Glass Vial	Single-Dose Glass Vial
Cap Color		
Shelf Life	18 Months	18 Months
Order Size	1 Vial	1 Vial
Case Size	48	24

To place your order, please contact your wholesaler/distributor today!

	20 mg/10 ml	50 mg/25 ml
Amerisource Bergen (6)	10177418	10177417
Cardinal	5361589	5361597
HD Smith	5666169	5666177
McKesson	3660404	3660438
Morris & Dickson	965616	965608
ASD	48736	48737

DOXIL® is a registered trademark of ALZA Corporation



HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use DOXORUBICIN HYDROCHLORIDE LIPOSOME INJECTION safely and effectively. See full prescribing information for DOXORUBICIN HYDROCHLORIDE LIPOSOME INJECTION.

DOXORUBICIN HYDROCHLORIDE liposome injection, for

Initial U.S. Approval: 1995

WARNING: CARDIOMYOPATHY and INFUSION RELATED REACTIONS See full prescribing information for complete boxed

nning.
Myocardial damage may lead to congestive heart
failure and may occur as the total cumulative dose of
doxorubicin HCl approaches 550 mg/m². The risk of
cardiomyopathy may be increased at lower
cumulative doses with mediastinal irradiation (5.1). Acute infusion-related reactions occurred in 11% of patients with solid tumors. Serious, life-threatening, and fatal infusion reactions have been

RECENT MAJOR CHA	NGES
Boxed Warning	01/2015
Dosage and Administration (2)	01/2015
Contraindications (4)	01/2015
Warnings and Precautions (5)	01/2015

INDICATIONS AND USAGE
Doxorubicin hydrochloride liposome injection is an anthracycline topoisomerase Il inhibitor indicated for:
Ovarian cancer (11)
After failure of platinum-based chemotherapy.
AIDS-relate Kapoar's Sarcoma(12)
After failure of prior systemic chemotherapy or intolerance to such therapy.

Multiple Myeloma (1.3)

In combination with bortezomib in patients who have not

iously received bortezomib and have received at least

— DOSAGE AND ADMINIST MATURE ADMINIST HATCH HATCH ADMINISTRATION HATC

weeks (2.3)

Multiple Myeloma: 30 mg/m³ IV on day 4 following bortezomib (2.4)

DOSAGE FORMS AND STRENGTHS

Doxorubicin hydrochloride (HCI) liposomal injection: Single-dosevials: 20 mg/10 mL and 50 mg/25 mL (3)

--- CONTRAINDICATIONS ----

injection (4.5.2)

—WARNINGS AND PSECAUTIONS

Hand-Fost Syndrome may occur. Dose modification or discontinuation may be required (1.5.4)

Embryofetal Toxicity: Can cause fetal harm. Advise of potential risk to a fetus. Use effective contraception (5.5.8.18.3)

ADVERSE REACTIONS

Most common adverse reactions (2:20%) are asthenia, fatigue, fever, amoreia, nausea, vomiting, stomatifici, diarrhea, constipation, hand-foot syndrome, risk, neutropenia, themborycopenia, diarelamia (6).

meutropenia, thrombocytopenia, and anemia (6).

To report SUSPECTE ADVESCE REACTIONS, contact Dr. Reddy's Laboration line, at 1-883-73-5734 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch

Lactation: Discontinue breastfeedinn (fe 2)

See 17 for PATIENT COUNSELING INFORMATION.

8.2 Lactation
8.3 Females and Males of Reproductive Potential
8.4 Pediatric Use
8.5 Geriatric Use
8.6 Hepatic Impairment

Revised: 04/2016

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy 8.2 Lactation

10 OVERDOSAGE

11 DESCRIPTION 12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action 12.3 Pharmacokinetics 13 NON-CLINICAL TOXICOLOGY 13.1 Carcinogenesis, Mutagenesis, and Impairment of Fertility

14.1 Ovarian Cancer
14.2 AIDS-Related Kaposi's Sarcoma
14.3 Multiple Myeloma
15 REFERENCES
16 HOW SUPPLIED/STORAGE AND HANDLING

17 PATIENT COUNSELING INFORMATION

*Sections or subsections omitted from the full prescribing information are not listed

14 CLINICAL STUDIES

FULL PRESCRIBING INFORMATION: CONTENTS*
WARNING—CARDIOMYOPATHY and INFUSION-RELATED WARNING-REACTIONS

1 INDICATIONS AND USAGE 1.1 Ovarian Cancer 1.2 AIDS-Related Kaposi's Sarcoma

1.3 Multiple Myeloma 2 DOSAGE AND ADMINISTRATION

2-DOSAGE AND ADMINISTRATION
2-1 Important Use Information
2-2 Ovarian Cancer
2-3 AIDS-Related Kapos's Sarcoma
2-4 Multiple Myeloma
2-5 Doss Modifications for Adverse Reactions
2-5 Preparation and Administration
2-7 Procedure for Proper Handling and Disposal

3 DOSAGE FORMS AND STRENGTHS

4 CONTRAINDICATIONS 5 WARNINGS AND PRECAUTIONS

5.1 Cardiomyopathy 5.2 Infusion-Related Reactions 5.3 Hand-Foot Syndrome (HFS) 5.4 Secondary Oral Neoplasms 5.5 Embryofetal Toxicity

6 ADVERSE REACTIONS
6.1 Adverse Reactions in Clinical Trials

6.1 Adverse Reactions I DRUG INTERACTIONS

FULL PRESCRIBING INFORMATION

WARNING: CARDIOMYOPATHY and INFUSION-RELATED REACTIONS

Desartables hydrochloride Sposone injection can cause spreadful damage, including congestive heart failure, as the total comulative data of desarrobicit RCI approaches 1500 mg/m² in a clinical tudy of ED gallests with Advanced causer who were treated with desarrobic hydrochloride processes lighterin, the did cardisolativity are stroke the cannot be recorded to the exception of the contract treated to the contract treated treated to the contract treated treated to the contract treated treated treated to the contract treated treated treated treated to the contract treated tre

Toxicity	Dose Adjustment
Hand-Foot Syndrome (HFS)	•
Grade 1: Mild erythema, swelling, or desquamation not interfering with daily activities	If no previous Grade 3 or 4 HFS: no dose adjustment. If previous Grade 3 or 4 HFS: delay dose up to 2 weeks, then decrease dose by 25%.
Grade 2: Erythema, desquamation, or swelling interfering with, but not precluding normal physical activities; small blisters or ulcerations less than 2 cm in diameter	Delay dosing up to 2 weeks or until resolved to Grade 0-1. Discontinue dosmobiles hydrochloride lipsonem lipscition if no resolution after 2 weeks. If resolved to Grade 0-1 withing zweeps lipscition if no resolution after 2 weeks. And no previous Grade 3 or 4 HES: continue treatment at previous dose. O And no previous Grade 3 or 4 HES: continue treatment at previous dose. O And no previous Grade 3 or 4 HES: continue treatment at previous dose. O And no previous Grade 3 or 4 HES: continue treatment at previous dose. O And no previous Grade 3 or 4 HES: continue treatment at previous dose.
Grade 3: Blistering, ulceration, or swelling interfering with walking or normal daily activities; cannot wear regular clothing	Delay dosing up to 2 weeks or until resolved to Grade 0-1, then decrease dose by 25%. Discontinue dosorubicin hydrochloride liposome injection if no resolution after 2 weeks.
Grade 4: Diffuse or local process causing infectious complications, or a bed ridden state or hospitalization	Delay dealing up to 2 weeks or until resolved to Grade 0-1, then decrease dose by 25%. Discontinue dexerubicin hydrochloride liposome injection if no resolution after 2 weeks.
Stomatitis	•
Grade 1: Painless ulcers, erythema, or mild soreness	If no previous Grade 3 or 4 toxicity: no dose adjustment. If previous Grade 3 or 4 toxicity: delay up to 2 weeks then decrease dose by 25%.
Grade 2: Painful erythema, edema, or ulcers, but can eat	Delay dosing up to 2 weeks or until resolved to Grade 0-1. Discontinue doscrubicin hydrochloride liposome injection if there is no resolution after 2 weeks. If resolved to Grade 0 -1 within 2 weeks.

	 and no previous Grade 3 or 4 stomatitis: resume treatment at previous dose. and previous Grade 3 or 4 toxicity: decrease dose by 25%.
Grade 3: Painful erythema, edema, or ulcers, and cannot eat	Delay dosing up to 2 weeks or until resolved to Grade 0-1. Decrease dose by 25% and return to original dose interval. If after 2 weeks there is no resolution, discontinue dosorubicin hydrochloride liposome injection.
Grade 4: Requires parenteral or enteral support	Delay dosing up to 2 weeks or until resolved to Grade 0-1. Decrease dose by 25% and return to original dose interval. If after 2 weeks there is no resolution, discontinue doxorubicin hydrochloride liposome injection.
Neutropenia or Thrombocytopenia	
Grade 1	No dose reduction
Grade 2	Delay until ANC ≥ 1,500 and platelets ≥ 75,000; resume treatment at previous dose
Grade 3	Delay until ANC ≥ 1,500 and platelets ≥ 75,000; resume treatment at previous dose
Grade 4	Delay until ANC ≥ 1,500 and platelets ≥ 75,000; resume at 25% dose reduction or continue previous dose with prophylactic granulocyte growth factor

Delay until ANC ≥ 1,500 and platelets ≥ 75,000; resume at 25% dose reduction or continue previous dose with prophylactic granulocyte growth factor
dose with prophylactic granulocyte growth factor
of Doxorubicin Hydrochloride Liposome Injection for Toxicity When Administered in Combination With Bortezom
Doxorubicin Hydrochloride Liposome Injection
Withhold dose for this cycle if before Day 4;
 Decrease dose by 25%, if after Day 4 of previous cycle.
er Day 1 • Withhold dose for this cycle if before Day 4;
 Decrease dose by 25%, if after Day 4 of previous cycle AND if bortezomib is reduced for
hematologic toxicity.
elated Do not dose until recovered to Grade <2, then reduce dose by 25%.

Dilute doxorubicin hydrochlo 500 mL of 5% Dextrose Inje administer within 24 hours.

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B of Carn result in myocardial damage, including acute left ventricular failure. The risk of cardiomyopathy with doxorubicin HCl is generally proportional to
thire exposure. The relationship between cumulative doxorubicin hydrochloride liposome injection dose and the risk of cardiac toxicity has not been today in 250 patients with advanced cancer who were treated with documbrich hydrochloride liposome injection, the risk of cardiotoxicity was 11% when the arthracydins dose was between 650 is 500 mg/m². Cardiotoxicity was defined at 2005 document in storing left ventricular ejection fuestion (IVET) how the subject of the cardiotoxic control of the cardiotoxicity was defined at 2005 document in storing left ventricular ejection fuestion (IVET) and the subject of the cardiotoxic control control of the cardiotoxic control of the c

acute changes, and after learness to direct dailysed cardinations's, Administrate descoulable hyphochtodels (spoones specificates). Schriftsche administrations's processors of the control consequence of the control control

3.3 Man Foot Syndrome (MS)

In Taid 4, the incidence of MFS was 51% of patients in the downwhich hydrochloride lipocome injection arm and 0.9% of patients in the topotecan arm, including 24%.

Gaded 3 or 4 cases of MFS in downwhich hydrochloride lipocome injection-treated patients and no Grade 3 or 4 cases in topotecan-treated patients. MFS or other skin

sy required discourtination of described high probability in production in processing and a size of patients, as a generally observed after 2 or 3 cycles of treatment but may occur earlier. Delay downwhich hydrochloride liposome injection for the first episode of Grade 2 or reference and Administration (2.50). Exconorting occur earlier. Delay downwhich hydrochloride liposome injection for the first episode of Grade 2 or reference and Administration (2.50). Exconorting occur earlier. Delay downwhich first post office liposome injection of the first episode of Grade 2 or reference and Administration (2.50). Exconorting occur exploration in the control field in Economic Indication (3.50). Exconorting occur exploration (3.50). Exconorting occur exp

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8% 4.2% 14% 62%

5% 0.4%

Anemia
6.5 <8 g/dL
< 6.5 g/dL
Thrombocytopenia
10,000 <50,000
<10,000/mm ³
Table 4 presents the no

Non-Hematologic	Daxorubicin Hydrochloride Lipe			Topotecan (%) treated
Adverse Reaction	(n=23	9)		(n=235)
10% or Greater				
	All grades	Grades 3-4	All grades	Grades 3-4
Body as a Whole				
Asthenia	40	7	52	8
Fever	21	0.8	31	6
Mucous Membrane Disorder	14	3.8	3.4	0
Back Pain	12	1.7	10	0.9
Infection	12	2.1	6	0.9
Headache	11	0.8	15	0
Digestive				
Nausea	46	5	63	8
Stomatitis	41	8	15	0.4
Vomiting	33	8	44	10
Diarrhea	21	2.5	35	4.2

Non-Hematologic Adverse Reaction	Doxorubicin Hydrochloride Liposome Injection (%) treated (n=239)			Topotecan (%) treated (n=235)
10% or Greater				
	All grades	Grades 3-4	All grades	Grades 3-4
Anorexia	20	2.5	22	1.3
Dyspepsia	12	0.8	14	0
Nervous				
Dizziness	4.2	0	10	0
Respiratory				
Pharyngitis	16	0	18	0.4
Dyspnea	15	4.1	23	4.3
Cough increased	10	0	12	0
Skin and Appendages				
Hand - foot syndrome	51	24	0.9	0
Rash	29	4.2	12	0.4
Alopecia	19	N/A	52	N/A

Neddeence (No 19% Cardionascular venedilation, tachycardia, deep vein thrombods, hypotennion, cardiac arrest. Digestive: oral monilizais, mouth alcoxation, esophagidis, dysphagia, rectal bleeding, ileux. Hematologic and Umphatic: eschymosis. Metabolic and Novilanai othygriation, woyldt iss, hyperbill subinemia, hypokalemia, hyporationnia, hyporatomia.

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	Patients With Refractory or Intolerant AIDS-Related Kaposi's Sarcoma (n=74*)	Total Patients With AIDS-Related Kaposi's Sarcoma (n=720**)
Neutropenia		
< 1000/mm ²	46%	49%
< 500/mm ³	11%	13%
Anemia		
< 10 g/dL	58%	55%
< 8 g/dL	16%	18%
Thrombocytopenia		
< 150,000/mm²	61%	61%
< 25,000/mm ³	14%	4.2%

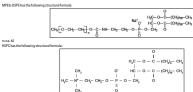
Adverse Reactions	Patients With Refractory or Intolerant	Total Patients With AIDS-Related
	AIDS-Related Kaposi's Sarcoma (n=77*)	Kaposi's Sarcoma (n=705**)
Nausea	18%	17%
Asthenia	7%	10%
Fever	8%	9%
Alopecia	9%	9%
Alkaline Phosphatase Increase	1.3%	8%
Vomiting	8%	8%
Diarrhea	5%	8%
Stomatitis	5%	7%
Oral Moniliasis	1.7%	6%

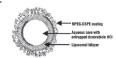
25% 4.3%

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		rochloride Liposome + bortezomib	Bortezomib (n=318)	
Adverse Reaction		1=318)		
	Any (%)	Grade 3-4	Any (%)	Grade 3 ~
Blood and lymphatic system disorders				
Neutropenia	36	32	22	16
Thrombocytopenia	33	24	28	17
Anemia	25	9	21	9
General disorders and administration site conditions				
Fatigue	36	7	28	3
Pyrexia	31	1	22	1
Asthenia	22	6	18	4
Gastrointestinal disorders				
Nausea	48	3	40	1
Diarrhea	46	7	39	5
Vomiting	32	4	22	1
Constipation	31	1	31	1
Mucositis/Stomatitis	20	2	5	<1
Abdominal pain	11	1	8	1
Infections and infestations				
Herpes zoster	11	2	9	2
Herpes simplex	10	0	6	1
Investigations				
Weight decreased	12	0	4	0
Metabolism and Nutritional disorders				
Anorexia	19	2	14	<1
Nervous system disorders				
Peripheral Neuropathy ¹	42	7	45	- 11
Neuralgia	17	3	20	4
Paresthesia/dysesthesia	13	d	10	0
Respiratory, thoracic and mediastinal disorders				
Cough	18	0	12	0
Skin and subcutaneous tissue disorders				
Rash ² Hand-foot syndrome	22	1	18 c1	1 0
manu-root syndrome	19			







IDIES.			
able 8: Pharmacokinetic Parameters of Total Doxorubicin from Doxorubicin Hydrochloride Liposome Injection in Patients With AIDS-Related Kaposi's Sarco			
		Dose	
Parameter (units)	10 mg/m ²	20 mg/m ²	
Peak Plasma Concentration (mcg/mL)	4.12 ± 0.215	8.34 ± 0.49	
Plasma Clearance (L/h/m²)	0.056 ± 0.01	0.041 ± 0.004	
Steady State Volume of Distribution (L/m²)	2.83 ± 0.145	2.72 ± 0.120	
AUC (mcg/mL+h)	277 ± 32.9	590 ± 58.7	
First Phase (λ ₁) Half-Life (h)	4.7 ± 1.1	5.2 ± 1.4	
Second Phase (λ _i) Half-Life (h)	52.3 ± 5.6	55 ± 4.8	

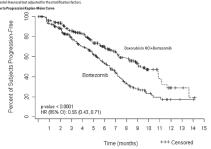
lable 9: Kesponse Kates in Patients With Ketractory Ovarian Cancer From Single Arm Ovarian Cancer Inials				
	Trial 1 (U.S.) N+27	Trial 2 (U.S.) N=82	Trial 3 (non-U.S.) N=36	
Response Rate	22.2%	17.1%	0%	
95% Confidence Interval	8.6% - 42.3%	9.7% - 27%	0% - 9.7%	

	Hydrochloride Liposome Injection (n=239)		(n=235)
TTP (Protocol Specified Primary Endpoint)			
Median (Months) ³			
p-value ¹	4.1	0.62	4.2
Hazard Ratio ⁴		0.96	
95% CI for Hazard Ratio		(0.76, 1.20)	
Overall Survival			
Median (Months) ²	14.4		13.7
p-value*		0.05	
Hazard Ratio*		0.82	
95% CI for Hazard Ratio		(0.68, 1)	
Response Rate			
Overall Response n (%)	47 (19.7)		40 (17)
Complete Response n (%)	9 (3.8)		11 (4.7)
Partial Response n (%)	38 (15.9)		29 (12.3)
Median Duration of Response (Months) ²	6.9		5.9

Investigator Assessment	All Evaluable Patients	Evaluable Patients Who Received Prior Doxorubicin
	(n=34)	(n=20)
Response ²		
Partial (PR)	27%	30%
Stable	29%	40%
Progression	44%	30%
Duration of PR (Days)		
Median	73	89
Range	42+ to 210+	42+ to 210+
Time to PR (Days)		
Median	43	53
Range	15 to 133	15 to 109
Indicator Lesion Assessment	All Evaluable Patients	Evaluable Patients Who Received Prior Doxorubicing
	(n=42)	(n=23)
Response ²		
Partial (PR)	48%	52%
Stable	26%	30%
Progression	26%	17%
Duration of PR (Days)		
Median	71	79
Range	22+ to 210+	35 to 210+
Time to PR (Days)		
Median	22	48
Range	15 to 109	15 to109

Patient Characteristics	Doxorubicin Hydrochloride Liposome Injection+bortezomib n=324	bortezomib n=322
Median age in years (range)	61(28, 85)	62 (34, 88)
% Male/female	58 / 42	54 / 46
% Caucasian/Black/other	90 / 6/ 4	94/4/2
Disease Characteristics		
% with IgG/IgA/Light chain	57 / 27 / 12	62 / 24 / 11
% 82 -microglobulin group		
s2.5 mg/L	14	14
>2.5 mg/L and s5.5 mg/L	56	55
>5.5 mg/L	30	31
Serum M -protein (g/dL): Median (Range)	2.5 (0 to10)	2.7 (0 to 10)
Urine M-protein (mg/24 hours): Median (Range)	107 (0 to 24883)	66 (0 to 39657)
Median Months Since Diagnosis	35.2	37.5
% Prior Therapy		
One	34	34
More than one	66	66
Prior Systemic Therapies for Multiple Myeloma		
Corticosteroid (%)	99	>99
Anthracyclines	68	67
Alkylating agent (%)	92	90
Thalidomide/lenalidomide (%)	40	43
Stem cell transplantation (%)	57	54

Endpoint	Doxorubicin Hydrochloride Liposome Injection + bortezomib n=324	Bortezomii n=322
Time to Progression¹		
Progression or death due to progression (n)	99	150
Censored (n)	225	172
Median in days (months)	282 (9.3)	197 (6.5)
95% ČI	250;338	170;217
Hazard ratio ²	0.5	i5
(95% CI)	(0.43,	0.71)
p-value ²	<0.1	001
Response (n) ⁿ	303	310
% Complete Response (CR)	5	3
% Partial Response (PR)	43	40
% CR + PR	48	43
p-value ^a	0.3	25
Median Duration of Response (months)	10.2	7
(95% CI)	(10.2: 12.9)	(5.9: 8.3)



Number of Subjects at Frisk
Domelsin-Ri-Ristoratio 324 301 269 201 170 127 97 70 56 38 19 13 6 4 2 0
Biotherin-Ri-Ristoratio 324 300 269 201 170 127 97 70 56 38 19 13 6 4 2 0
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Table 14					
	mg in v	rial	fill volume	vial size	
	20	olet	40 -1	40	

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