TORTAXEL (Paclitaxel Injection I.P.)

COMPOSITION TORTAXEL 30 Paclitaxel I.P. 6 mg
Polyoxyl 35 Castor Oil I.P. 527 mg
(Cremophor ELP)
Dehydrated Alcohol I.P. 49.7% v/v
TORTAXEL 100 Each ml contains :
Paclitaxel I.P. 6 mg
Polyoxyl 35 Castor Oil I.P. 527 mg
(Cremophor ELP) Dehydrated Alcohol I.P. 49.7% v/v
FORTAXEL 260
Each ml contains:

Paclitaxel I.P. 6 mg
Polyoxyl 35 Castor Oil I.P. 527 mg
(Cremophor ELP)
Dehydrated Alcohol I.P. 49.7% v/v

Dehydrated Alcohol I.P. 49.7% v/v DESCRIPTION
Pacilitaxel is a natural product with antitumor activity. Paclitaxel is obtained via a semi-synthetic process from Taxus baccata. The chemical name for Paciltaxel is 5 8,20-Epoxy-1,20,4,78,108,130-hexahydroxytax-11-en-9-one4,10-diacetate2-benzoate13-ester with (2R,3S)-N-benzoyl-3-phenylisoserine. Paclitaxel has the empirical formula C₄₇H₅/NO₁₄ and a molecular weight of 853.9.Paclitaxel has the following structural formula:

INDICATIONS

Paclitaxel is indicated as first-line and subsequent therapy for the treatment of advanced carcinoma of the ovary. As first-line therapy, is indicated in combination with cisplatin. Paclitaxel is indicated for the adjuvant treatment of node-positive breast cancer administered sequentially to standard doxorubicin-containing combination chemotherapy. Paclitaxel is indicated for the treatment of breast cancer after failure of combination chemotherapy. Prior therapy should have included an anthracycline unless clinically contraindicated. Paclitaxel in combination with cisplatin, is indicated for the first-line treatment of non-small cell lung cancer in patients who are not candidates for potentially curative surgery and/or radiation therapy. Paclitaxel is indicated for the second-line treatment of AIDS-related Kaposi's sarcoma.

CLINICAL PHARMACOLGICAL

Mechanism of Action

Paclitaxel is a novel antimicrotubule agent that promotes the assembly of

Mechanism of Action

Paclitaxel is a novel antimicrotubule agent that promotes the assembly of microtubules from tubulin dimers. It stabilizes microtubules by preventing depolymerization resulting in the inhibition of the normal dynamic reorganisation of the microtubule network essential for cellular functions. Paclitaxel also induces abnormal arrays or "bundles" of microtubules throughout the cell cycle and multiple asters of microtubules during mitosis.

Pharmocokinetics
The pharmocokinetics of paclitaxel have been evaluated over a wide range of doses, up to 300mg/m², and infusion schedules, ranging from 3 to 24 hours and have been shown to be non-linear and saturable with a disproportionately large increase in C and AUC with max increasing dose accompanied by an apparent dose-related decrease in total body clearance.

Absorption
Following intravenous administration, pacitiaxel exhibits a biphasic decline in plasma concentrations. The initial rapid decline represents distribution to the peripheral compartment and elimination of the drug. The later phase is due, in part, to a relatively slow efflux of pacitiaxel from the peripheral compartment. In patients treated with doses of 135 and 175 mg/m² given as 3 and 24 hour infusions, mean terminal half life has ranged from 19.1 to 52.7 hours, and total body clearance has ranged from 198 to 688 L/m², indicating extensive extravascular distribution and/or tissue binding.

Vascular disholation and Distribution On average, 89% of drug is bound to serum proteins; the presence of cimetidine, ranitidine, dexamethasone, or diphenhydramine does not affect protein binding

rantidine, dexamethasone, or diphenhydramine does not affect protein binding of pacilitaxel.

Metabolism
Paclitaxel metabolised primarily to 6á-hydroxypacilitaxel by the cytochrome P450 isozyme CYP2C8; and to two minor metabolites, 3'-p-hydroxypacilitaxel and 6á, 3'-pdihydroxypacilitaxel by CYP3A4.

Elimination
Atter intravenous administration of 15-275 mg/m² doses of Pacilitaxel as 1,6, or 24-hour infusions, mean values for cumulative urinary recovery of unchanged drug ranged from 1.3% to 12.6% of the dose.

DOSAGE & ADMINISTRATION
Note: Contact of the undiluted concentrate with plasticized PVC equipment or devices used to prepare solutions for infusion is not recommended. In order to minimize patient exposure to the plasticizer DEHP [di-Q-ethylhexyliphthalate], which may be leached from PVC intusion bags or sets, diluted pacilitaxel solutions should be stored in bottles (glass, polypropylene) or plastic bags (polypropylene, polyolefin) and administered through polyethylene-lined administration sets. All patients should be premedicated prior to pacilitaxel administration in order to prevent severe hypersensitivity reactions. Such premedicated administration sets. All patients should be premedicated prior to pacilitaxel administration in order to prevent severe hypersensitivity reactions. Such premedication may consist of dexamethascene 20 mg PO administered approximately 12 and 6 hours before pacilitaxel, diphenhydramine (or its equivalent) 50 mg IV 30 to 60 minutes perior pacilitaxel, and cimetidine (30 mg) or rantidine (50 mg) IV 30 to 60 minutes perior pacilitaxel, and cimetidine (30 mg) or solution (50 mg) or pacilitaxel patients with carcinoma of the ovary, one of the following regimens are recommended:

1) For previously untreated patients with carcinoma of the ovary, one of the following recommended regimen is not yet clear. The recommended regimen is pacilitaxel administered intravenously over 3 hours at a dose of 175 mg/m² followed by cisplatin at a dose of 75 mg/m².

2) In patients previously treated

regimen is pacilitaxel, at a dose of 17 mg/m intravenously over 3 hours every 3 weeks for 4 courses administered sequentially to doxorubicin-containing combination chemotherapy. The clinical trial used 4 courses of doxorubicin and cyclophosphamide.

2) After failure of initial chemotherapy for metastatic disease or relapse within 6 months of adjuvant chemotherapy, pacilitaxel at a dose of 175 mg/m² administered intravenously over 3 hours every 3 weeks has been shown to be effective. For patients with non-small cell lung carcinoma, the recommended regimen, given every 3 weeks, is Pacilitaxel administered intravenously over 24 hours at a dose of 135 mg/m² followed by cisplatin, 75 mg/m². For patients with AIDS-related Kaposi's sarcoma, pacilitaxel administered at a dose of 135 mg/m² given intravenously over 3 hours every 2 weeks is recommended (dose intensity 45–50 mg/m²/week). In the 2 clinical trials evaluating these schedules, the former schedule (135 mg/m² every 2 weeks) was more toxic than the latter, in addition, all patients with low performance status were treated with the latter schedule (100 mg/m² every 2 weeks) was more toxic than the latter, in addition, all patients with low performance status were treated with the latter schedule (100 mg/m² every 2 weeks) was more toxic than the latter, in addition, all patients with low performance status were treated with the latter schedule (100 mg/m² every 2 weeks) were some patients:

1) Reduce the dose of dexamethasone as 1 of the 3 premedication drugs to 10 mg PO (instead of 20 mg PO);

2) Initiate or repeat treatment with pacilitaxel only if the neutrophil count is at least 1000 cells/mm³.

3) Reduce the dose of subsequent courses of pacilitaxel by 20% for patients who experience severe neutropenia (neutrophil -500 cells/mm³ for a week or longer); and high platients with solic tumors (ovary, breast, and NSCLC), coursed of pacilitaxel should not be given to patients with AlDS-related Kaposi's sarcoma if the baseline or subsequent neutrophil count is at least

have dosage reduced by 20% for subsequent courses of pacitaxel ine incidence of neurotoxicity and the severity of neutropenia increase with dose.
Hepatic Impairment Inadequate data are available to recommend dosage alterations in patients with India to moderate hepatic impairments. Pacitiaxel is not recommended in patients with severely impaired hepatic function. Patients with hepatic impairment may be at increased risk of toxicity, particularly grade III-IV myelosuppression. There is no evidence that the toxicity of pacitiaxel is increased when given as a 3-hour infusion to patients with mildly abnormal liver function. No data are available for patients with severe baseline cholestasis. When paclitaxel is given as a longer infusion, increased myelosuppression may be seen in patients with moderate to severe hepatic impairment. Patients should be monitored closely for the development of profound myelosuppression. Inadequate data are available to recommend dosage alterations in patients with severely impaired hepatic function. Preparation and Administration Precautions

Procedures for proper handling and disposal of anticancer drugs should be considered. To minimize the risk of dermal exposure, always wear impervious gloves when handling vials containing pacilitaxel linjection. If pacilitaxel solution contacts the skin, wash the skin immediately and thoroughly with soap and water. Following topical exposure, events have included tingling, burning, and redness. If pacilitaxel contacts mucous membranes, the membranes should be flushed thoroughly with water. Upon inhalation, dyspnea, chest pain, burning eyes, sore throat, and nausea have been reported. Given the possibility of extravasation, it is advisable to closely monitor the infusion site for possible infiltration during drug administration.

Preparation for Intravenous Administration

TORTAXEL (Paclitaxel Injection I.P.) must be diluted prior to infusion. Paclitaxel should be diluted in 0.9% Sodium Chloride Injection, I.P.; 5% Dextrose Injection, I.P.; 5% Dextrose and 0.9% Sodium Chloride Injection, I.P.; or 5% Dextrose in Ringer's Injection to a final concentration of 0.3 to 1.2 mg/mL. The solutions are physically and chemically stable for up to 27 hours at ambient temperature (approximately 25°C) and room lighting conditions. Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit.Upon preparation, solutions may show haziness, which is attributed to the formulation vehicle. No significant losses in potency have been noted following simulated delivery of the solution through IV tubing containing an in-line (0.22 micron) filter. Data collected for the presence of the extractable plasticizer DEHP (di-2-ethylheylphthalatel) show that levels increase with time and concentration when dilutions are prepared in PVC containers. Consequently, the use of plasticized PVC containers and administration sets is not recommended. Paclitaxel solutions should be prepared and stored in glass, polypropylene, or polyolefin containers. Non-PVC containers described in significant leaching of DEHP. The Chemo Dispensing Pin **device or similar devices with spikes should not be used with vials of paclitaxel Injection should be administered to collapse resulting in loss of sterile integrity of the paclitaxel solution.

CAUTIONS

The drug should be administered with caution in the following patients, Paclitaxel injection is proper to a physician experienced in liquid part of the paclitaxel propers on the propers of a physician experienced in liquid part of the paclitaxel propers on the paclitaxel

in loss of sterile integrity of the paclifaxel solution.

CAUTIONS

The drug should be administered with caution in the following patients, Paclitaxel Injection should be administered with caution in the following patients, Paclitaxel Injection should be administered under the supervision of a physician experienced in the use of cancer chemotherapeutic agents. Patients receiving Paclitaxel Injection should be pretreated with conticosteroides, antihistamines, and H antagonists (such as dexamethasone, diphenhydramine and cimetidine or rantitione) to minimize hypersensitivity reactions. Severe hypersensitivity reactions characterized by dyspnea and hypotension requiring treatment, angioedema, and generalized urlicaria have occurred in patients receiving Paclitaxel Injection. These reactions are probably histamine mediated. One of these reactions was fatal in a patient treated without premedication. Patients who experiences sever hypersensitivity reactions to Paclitaxel Injection should not be rechallenged with the drug. Bone marrow suppression (primarily neutropenia) is dose-dependent and is the dose-limiting toxicity. Neutrophil nadirs occurred at a median of 11 days. Frequent monitoring of blood counts should be instituted during Paclitaxel Injection util neutrophils recover to a level > 1,500 cells/mm³ and platelets recover to a level > 100,000 cells/mm³.

CONTRAINDICATION

Paclitaxel Injection util ineutrophils recover to a level > 1,500 cells/mm³ and platelets recover to a level > 1,500 cells/mm³.

ONTRAINDICATION

Paclitaxel is contraindicated in patients with severe hypersensitivity reactions to paclitaxel, macrogolglycerol ricinoleate (polyoxyl castor oil) or to any of the

to paciliaxel, miscropularised during lactation. Paciliaxel is contraindicated during lactation. Paciliaxel should not be used in patients with baseline neutrophils $<1.5\times10^9 L (<1\times10^9 L for AIDS-related Kaposi's sarcoma (KS) patients) or platelets <math display="inline"><1.0\times10^9 L (<7.5\times10^9 L for KS patients). In KS, paciliaxel is also contraindicated in patients with concurrent, serious, uncontrolled infections.$

WARNINGS AND PRECAUTIONS

WARNINGS
Pacifixatel should be administered under the supervision of a physician experienced in the use of cancer cytotoxic agents. Since significant hyper sensitivity reactions may occur, appropriate supportive equipment should be available. Patients must be pretreated with corticosteroids, antihistamines and H₂ antagonists. Paclitaxel should be given before cisplatin when used in combination.

Significant hypersensitivity reactions
As characterised by dyspronea and hypotension requiring treatment, angioedema, and generalised urticaria have reported in <1% of patients receiving paclitaxel after adequate premedication. These reactions are probably histamine-mediated. In the case of severe hypersensitivity reactions, paclitaxel infusion should be discontinued immediately, symptomatic therapy should be initiated and the patient should not be rechallenged with paclitaxel. Macrogolglycerol ricinoleate (polyoxyl castor oil), an excipient in this medicinal product, can cause these reactions. Bone marrow suppression

discontinued immediately, symptomatic therapy should be initiated and the patient should not be rechallenged with pacifiaxel. Macrogolgylocerol ricinoleate (polyoxyl castor oil), an excipient in this medicinal product, can cause these reactions.
Bone marrow suppression.

Primarily neutropenia, is the dose-limiting toxicity. Frequent monitoring of blood counts should be instituted. Patients should not be retreated until the neutrophili count is ≥1.5 x 10.90 (≥1 x 10.94 for KS patients) and the platelets recover to ≥100 x 10.94 (≥75 x 10.94 for KS patients). In the KS clinical study, the majority of patients were receiving granulocyte colony stimulating factor (G-CSF).

Severe cardiac conduction abnormalities

These have been reported rarely. If patients develop significant conduction abnormalities during paclitaxel administration, appropriate therapy should be administered and continuous cardiac monitoring should be performed during subsequent therapy with paclitaxel. Hypotension, hypertension, and bradycardia have been reported during paclitaxel administration; patients are usually asymptomatic and generally do not require treatment. Frequent vital signs monitoring, particularly during the first hour of paclitaxel infusion, is recommended. Severe cardiovascular events were reported more frequently in patients with non-small cell lung cancer than in those with breast or ovarian carcinoma. A single case of heart failure related to paclitaxel was seen in the AIDS-KS clinical study. When paclitaxel is used in combination with doxorubicin or trastuzumab for initial treatment of metastatic breast cancer, attention should be placed on the monitoring of cardiac function. When patients are candidates for treatment with paclitaxel in this combination, they should undergo baseline cardiac assessment including history, physical examination, electrocardiogram (ECG), echocardiogram, and/or multigated acquisition (MUGA) scan. Cardiac function should be further monitored during treatment (e.g. every three months). Monitoring

ruther therapy against the potential for producing cardiac damage, including potentially irreversible damage. If further treatment is administered, monitoring of cardiac function should be more frequent (e.g. every 1-2 cycles).
Peripheral neuropathy
The occurrence of peripheral neuropathy is frequent; the development of severe symptoms is rare. In severe cases, a dose reduction of 20% (25% for KS patients) is recommended for all subsequent courses of pacitiaxel. In non-small cell lung cancer patients the administration of pacitiaxel in combination with cisplatin resulted in a greater incidence of severe neurotoxicity than administration of single agent pacitizxel. In first-line ovarian cancer patients, administration of pacitiaxel as a 3-hour infusion combined with cisplatin resulted in a greater incidence of severe neurotoxicity than administration of a combination of cyclophosphamide and cisplatin.

Patients with hepatic impairment may be at increased risk of toxicity, particularly grade III-IV myelosuppression. There is no evidence that the toxicity of paclitaxel is increased when given as a 3-hour infusion to patients with severe baseline cholestasis. When paclitaxel is given as a longer infusion, increased myelosuppression may be seen in patients with moderate to severe hepatic impairment. Patients should be monitored closely for the development of profound myelosuppression. Inadequate data are available for patients with severely impaired hepatic function. Since paclitaxel is often swith severely impaired hepatic function. Since paclitaxel contains ethanol (396 mg/ml), consideration should be given to possible central nervous system and other effects. The amount of alcohol in this medicinal product may alter the effects of other medicines. Special care should be taken to avoid intra-arterial administration of paclitaxel. In animal studies investigating local tolerance, severe tissue reactions occurred following intra-arterial administration.

Pseudomembranous colitis

It has also been reported, rarely, i

musruity aue to therapy with paciltaxel. In KS patients, severe mucositis is rare. If severe reactions occur, the pacilitaxel dose should be reduced by 25%. PRECAUTIONS

Contact of the undiluted concentrate with plasticized polyvinyl chloride (PVC) equipment or devices used to prepare solutions for influsion is not recommended. In order to minimize patient exposure to the plasticizer DEHP (di-(2-ethylhexyl) phthalatel), which may be leached from PVC influsion bags or sets, diluted Pacilitaxel solutions should preferably be stored in bottles (glass, polypropylene) or plastic bags (polypropylene, polyolefin) and administered through polythylene- lined administration sets. Paciltaxel should be administered through an in-line filter with a microporous membrane not greater than 0.22 microns.

DRUG INTERACTION

Pacilitaxel clearance is not affected by cimetidine premedication.

Cisplatin

Paclitaxel clearance is not affected by cimetidine premedication.
Cisplatin
Paclitaxel clearance is not affected by cimetidine premedication.
Cisplatin
Paclitaxel is recommended to be administered before cisplatin. When given
before cisplatin, the safety profile of paclitaxel is consistent with that reported for
single agent use. Administration of paclitaxel after cisplatin treatment leads to greater
myelosuppression and about a 20% decrease in paclitaxel clearance. Patients
treated with paclitaxel and cisplatin may have an increased risk of renal failure as
compared to cisplatin alone in gynecological cancers.
Doxorubicin
Since the elimination of doxorubicin and its active metabolites can be reduced when
paclitaxel and doxorubicin are given closer in time, paclitaxel for initial treatment
of metastatic breast cancer should be administered 24 hours after doxorubicin.
Active substances metabolised in the liver
Caution should be exercised during concurrent administration of active
substances which are metabolised in the liver as such active substances may inhibit
the metabolism of paclitaxel. The metabolism of paclitaxel is catalysed, in part, by
cytochrome P450 (CYP450) isoenzymes CYP2C8 and 3A4. Clinical studies have
demonstrated that CYP2C9-mediated metabolism of paclitaxel, for 6-hydroxypaclitaxel) is the major metabolic pathway in humans. Based on current knowledge,
clinically relevant interactions between paclitaxel and other CYP2C8 substrates
are not anticipated. Concurrent administration of ketoconazole (a known potent
inhibitor of CYP3A4 Joses not inhibit the elimination of paclitaxel in patients; thus,
both medicinal products may be administered together without dosage
adjustment. Further data on the potential of interactions between paclitaxel
and other CYP3A4 substrates/ inhibitors are limited. Therefore, caution should be

exercised when administering paclitaxel concomitantly with medicines known to inhibit (e.g. erythromycin, fluoxetine, gernfibrozil) or induce (e.g. rifampicin, carbamazepine, phenytioin, phenobarbital, efavirenz, nevirapine) either CYP2C8 or 3A4. Studies in KS patients, who were taking multiple concomitant medications, suggest that the systemic clearance of paclitaxel was significantly lower in the presence of nellinavir and ritonavir, but not with indinavir. Insufficient information is available on interactions with other protease inhibitors. Consequently, paclitaxel should be administered with caution in patients receiving protease inhibitors as concomitant therapy.

Consequently, pacitiaxel should be administered with caution in patients receiving protease inhibitors as concomitant therapy. Hematology Pacilitaxel therapy should not be administered to patients with baseline neutrophil counts of less than 1500 cells/mm³. In order to monitor the occurrence of myelotoxicity, it is recommended that frequent peripheral blood cell counts be performed on all patients receiving Paclitaxel. Patients should not be re-treated with subsequent cycles of Paclitaxel until neutrophils recover to a level >1500 cells/mm³ and platelets recover to a level >100,000 cells/mm² ln the case of severe neutropenia (<500 cells/mm³ for 7 days or more) during a course of Paclitaxel therapy, a 20% reduction in dose for subsequent courses of therapy is recommended. For patients with advanced HIV disease and poor-risk AIDS-related Kaposi's sacroma, Paclitaxel, at the recommended dose for this disease, can be initiated and repeated if the neutrophil count is at least 1000 cells/mm³. Hypersensitivity Reaction
Patients with a history of severe hypersensitivity reactions to products containing Cremophor® EL (eg. cyclosporin for injection concentrate and teniposide for injection concentrate) should not be treated with Paclitaxel. In order to avoid the occurrence of severe hypersensitivity reactions, all patients treated with Paclitaxel should be premedicated with conicosteroids (such as dexa-methasone), diphenhydramine and H₂ antagonists (such as cimetidine or rantidine). Minor symptoms such as flushing, skin reactions, dyspnea, hypotension, or tachycardia do not require interruption of therapy. However, severe reactions, such as hypotension requiring treatment, dyspnea requiring bronchodilators, angiodedram, or generalized urticaria require immediate discontinuation of Paclitaxel and aggressive symptomatic therapy. Patients who have developed severe hypersensitivity reactions should not be rechallenged with Paclitaxel.

rechallenged with Pacitiaxes. Cardiovascular Hypotension, bradycardia, and hypertension have been reported during administration of Pacitiaxel, but generally do not require treatment. Occasionally Pacitiaxel infusions must be interrupted or discontinued because of initial or recurrent hypertension. Frequent vital sign monitoring, particularly during the first hour of Pacitiaxel infusion, is recommended. Continuous cardiac monitoring is not required except for patients with serious conduction abnormalities. When Pacilitaxel is used in combination with doxorubicin for treatment of metastatic breast cancer, monitoring of cardiac function is recommended. Nervous System

not required except for patients with serious conduction autorimatives, when Pacilitaxel is used in combination with doxorubicin for treatment of metastatic breast cancer, monitoring of cardiac function is recommended.

Nervous System

Although the occurrence of peripheral neuropathy is frequent, the development of severe symptomatology is unusual and requires a dose reduction of 20% for all subsequent courses of Pacilitaxel. Pacilitaxel contains dehydrated alcohol LP, 396 mg/ml.; consideration should be given to possible CNS and other effects of alcohol. Hepatic

There is limited evidence that the myelotoxicity of Pacilitaxel may be exacerbated in patients with serum total bilirubin >2 times ULN. Extreme caution should be exercised when administering Pacilitaxel to such patients, with dose reduction. Injection Site Reaction

Injection Site Reaction

Injection site reactions, including reactions secondary to extravasation, were reported usually mild and consisted of erythema, tendemess, skin discoloration, or swelling at the injection site. These reactions have been observed more frequently with the 24-hour infusion. Heacurence of skin reactions at a site of previous extravasation following administration of Pacilitaxel at a different site, ie, "recall," has been reported. More severe events such as phlebitis, cellulitis, induration, skin exfoliation, necrosis, and fibrosis have been reported. In some cases the onset of the injection site reaction either occurred during a prolonged infusion or was delayed by a week to 10 days. A specific treatment for extravasation reactions is unknown at this time. Given the possibility of extravasation, it is advisable to closely monitor the infusion site for possible infiltration during drug administration.

Carcinogenesis, Mutagenesis, Impairment of Fertility

The carcinogenic potential of Pacilitaxel has not been studied. Pacilitaxel has been shown to be clastogenic in vitro (chromosome aberrations in human lymphocytes) and in vivo (micronucleus test in mice). Pacilitaxel

are obes edual to in gleater trial. Thigkgrucy (about 0.04 the daily maintain recommended human dose on a mg/m² basis). At this dose, pacilitaxel caused reduced fertility and reproductive indices, and increased embryo- and fetotoxicity. ADVERSE EFFECTS

The most frequent significant undesirable effect was bone marrow suppression. Severe neutropenia (< 0.5 x 10³/n) occurred in 28% of patients, but was not associated with febrile episodes. Only 1% of patients experienced severe neutropenia for 7 days. Thrombocytopenia was reported in 11% of patients. Three percent of patients had a platelet count nadir < 50 x10³/n at least once while on study. Anaemia was observed in 64% of patients, but was severe (Hb < 8.1 g/dl) in only 6% of patients had a platelet count nadir < 50 x10³/n at least once while on study. Anaemia was observed in 64% of patients, but was severe (Hb < 8.1 g/dl) in only 6% of patients incidence and severity of anaemia is related to baseline haemoglobin status. Neurotoxicity, mainly peripheral neuropathy, appeared to be more frequent and severe with a 175 mg/m² 24-hour infusion (25% peripheral neuropathy, 3% severe) than pacilitaxel was combined with cisplatin. In NSCLC patients and in ovarian cancer patients treated with paclitaxel over 3 hours followed by cisplatin, there is an apparent increase in the incidence of severe neurotoxicity. Peripheral neuropathy can occur following the first course and can worsen with increasing exposure to paclitaxel. Peripheral neuropathy was the cause of paclitaxel discontinuation in a few cases. Sensory symptoms have usually improved or resolved within several months of paclitaxel discontinuation. Pre-existing neuropathies resulting from prior therapies are not a contraindication for paclitaxel therapy. Arthralgia or myalgia affected 60% of patients and was severe in 13% of patients. A significant hypersensitivity reaction with possible fatal outcome (defined as hypotension required therapy, angiodeme, respiratory distress requiring bronchodilator therapy, or gener

Very common (\geq 1/10); common (\geq 1/100, <1/10); uncommon (\geq 1/1,000, <1/100); rare (\geq 1/10,000, <1/1,000); very rare (<1/10,000).

Very common: Infection Uncommon: Septic shock
Rare*: Pneumonia, sepsis
Very common: Myelosuppression, neutropenia, anaemia, thrombocytopenia, leucopenia Rare: Febrile neutropenia Very rare*: Acute myeloid leukaemia, myelodysplastic syndrome
Very common: Minor hypersensitivity reactions (mainly flushing and rash) Uncommon: Significant hypersensitivity reactions requiring therapy (e.g., hypotension, angioneurotic oedemar, respiratory distress, generalised urticaria, chilis and back pains) Rare*: Anaphylatic reactions Very rare*: Anaphylatic shock
Very rare*: Anorexia
Very rare*: Confusional state
Very common: Neurotoxicity (main's: peripheral neuropathy) Rare". Motor neuropathy (with resultant minor distal weakness) Very rare": Autonomin neuropathy (resulting in paralytic ieues and orthostatic hypotension), grand mal seizures, convulsions, encephalopathy, dizziness, headache, ataxia, neuroencephalopathy
Very rare*: Optic nerve and/or visual disturbances (scintillating scotomata), particularly in patients who have received higher doses than recommended, optic nerve damage, Conjunctivitis, increased lacrimation, photopsia, visual floaters'
Very rare*: Ototoxicity, hearing loss, tinnitus, vertigo
Common: Bradycardia Uncommon: Cardiomyopathy, asymptomatic ventricular tachycardia, tachycardia with bigeminy, atrio-ventricular block (may require pacemaker placement) and syncope, myocardial infarction Very rare*: Atrial fibrillation, supraventricular tachycardia, significant cardiovascular events, ventricular failure
Very common: Hypotension Uncommon: Hyportension, thrombosis, thrombophlebitis, venous thrombosis Very rare*: Shock
Rare*: Dyspnoea, pleural effusion, interstitial pneumonia, lung fibrosis, pulmonary embolism, respiratory failure Very rare*: Cough
Very common: Nausea, vomiting, diarrhoea, mucosal inflammation Very rare's Ewel Obstruction, bowel perforation, ischaemic colitis, mesenteric thrombosis, pseudomembranous colitis, oesophagitis, constipation, ascites, par

Hepato-biliary disorders:	Very rare*: Hepatic necrosis, hepatic encephalopathy, cumulative hepatic toxicity
Skin and subcutaneous tissue disorders:	Very common: Alopecia Common: Transient and mild nail changes (changes in pigmentation or discoloration of nail bed) skin changes, Rare: Pruffus, rash, erythema, tenderness, maculopapular rash Very rare: Stevens-Johnson syndrome, epidermal necrolysis, erythema multiforme, exfoliative dermatitis, urticaria, onycholysis (patients on therapy should wear sun protection on hands and feet) Diffuse edema, thickening, and sclerosing of the skin
Musculoskeletal, connective tissue and bone disorders :	Very common: Arthralgia, myalgia
General disorders and administration site conditions:	Common: Injection site reactions (including localised oedema, pain, erythema, induration, on occasion extravasation can result in cellulitis) Rare*: Asthenia, pyrexia, dehydration, oedema, febrile reaction
Investigations:	Common: Severe elevation in aspartate aminotransferase (AST) (serum glutamic oxaloacetic transaminase (SGOT)), severe elevation in alikaline phosphatase, EOG abnormality, premature beats, Uncommon: Severe elevation in bilirubin Rare*: Increase in blood creatinine

Rare': Increase in blood creatinine
Breast cancer patients who received paclitaxel in the adjuvant setting following
AC experienced more neurosensory toxicity, hypersensitivity reactions,
arthralgia/myalgia, anaemia, infection, fever, nausea/vomiting and diarrhoea
than patients who received AC alone. However, the frequency of these events
was consistent with the use of single agent paclitaxel, as reported above.
Complication treatment.

Brosat cancer patients who received pacitizate in the adjuvant setting following AC experienced more neuroensory toxicity, hypersensitivity reactions, arthrafgia/myalgia, anaemia, infection, fever, nausea/comiting and diarrhoea than patients who received AC alone. However, the frequency of these events was consistent with the use of single agent pacitizate, a reported above. Combination Treatment
Two major trials done for the first-line chemotherapy of ovarian carcinoma (pacitizate) - sipplatin: over 1050 patients); two phase III trials in the first line treatment of metastatic breast cancer: one investigating the combination with the combination with treatment of any and the combination with treatment of all the combination with treatment of all the combination with treatment of all the combination with treatment of patients in the combination of the first-line chemotherapy of ovarian cancer, neurotoxicity, arthrafgia/myalgia, and hypersensitivity were reported as more frequent and severe by patients treated with pacitizated followed by cisplatin than patients treated with cyclophosphamide followed by cisplatin than patients treated with cyclophosphamide followed by cisplatin than patients treated with cyclophosphamide followed by cisplatin. Type patients by the companient of the cyclophosphamide followed by cisplatin. Type patients by the companient of the cyclophosphamide followed by cisplatin. Type years are compared to the cyclophosphamide followed by cisplatin. Type years are cyclophosphamide followed by cisplatin with a cyclophosphamide followed by cisplatin. Type years are cyclophosphamide followed by cyclophosphamide f

PREGNANCY
Based on human experience, pacilitaxel, is suspected to cause congenital malformations when administered during pregnancy. Studies in animals have shown reproductive toxicity. There are no adequate and well-controlled studies in pregnant women. If Pacilitaxel is used during pregnancy, or if the patient becomes pregnant while receiving this drug, the patient should be apprised the potential hazard to the fetus. Pacilitaxel 6 ing/ml Concentrate for Solution for Infusion should not be used during pregnancy unless the clinical condition of the woman requires treatment with pacilitaxel. Women of childbearing potential have to use effective contraception during and up to 6 months after treatment. to use effective LACTATION

to use effective contraception during and up to 6 months after treatment.
LACTATION
It is not known whether the drug is excreted in human milk. Following intravenous administration of carbon 14-labeled Pacilitaxel to rats on days 9 to 10 postpartum, concentrations of radioactivity in milk were higher than in plasma and declined in parallel with the plasma concentrations. Because many drugs are excreted in human milk and because of the potential for serious adverse reactions in nursing infants, it is recommended that nursing be discontinued when receiving Pacilitaxel therapy. CHILDREN
The safety and effectiveness of Pacilitaxel in pediatric patients have not been established. Pacilitaxel is not recommended for use in children below 18 years due to lack of data on safety and efficacy. There have been reports of central nervous system (CNS) toxicity (rarely associated with death) in a clinical trial in pediatric patients in which Pacilitaxel was infused intravenously over 3 hours at doses ranging from 350mg/m² to 420mg/m². The toxicity is most likely attributable to the high dose of the ethanol component of the Pacilitaxel vehicle given over a short infusion time. The use of concomitant antihistamines may intensify this effect. Although a direct effect of the pacilitaxel itself cannot be discounted, the high doses used in this study (over twice the recommended adult dosage) must be considered in assessing the safety of Pacilitaxel for use in this population. GERIATRIC
In dinical Studies, frequently severe myelosuppression, commonly severe neuropathy and higher incidence of cardiovascular events were reported in elderly patients. EXPIRY DATE
Do not use later than the date of expir.

STORAGE
Store below 25°C, Protected from light. Do not freeze.
Keep out of reach of children. Keep out of reach or criturier.

PRESENTATION

TORTAXEL (Paclitaxel Injection I.P.) is available in single dose vial containing Paclitaxel I.P. 30mg/5ml, 100mg/16.67ml, 260mg/43.34ml.

☆ torrent

Marketed by : TORRENT PHARMACEUTICALS LTD. Indrad-382 721, Dist. Mehsana, INDIA.

Manutactured by : Naprod Life Sciences Pvt. Ltd. G-17/1, M.I.D.C., Tarapur Industrial Area, Boisar, Dist -Thane 401 506, India

TORTAXEL