Docetaxel Injection 20 mg/ml - 1 ml & 4 ml Vial

Composition:

Each ml contains

Docetaxel Ph. Eur. 20 mg Ethanol Anhydrous Ph. Eur. 395 mg Description: A clear pale yellow to brownish yellow solution.

Therapeutic indications: Breast cancer
Docetaxel in combination with doxorubicin and cyclophosphamide is indicated for the adjuvant treatment of

patients with: operable node-positive breast cance operable node-negative breast cancer

For patients with operable node-negative breast cancer, adjuvant treatment should be restricted to patients eligible to receive chemotherapy according to internationally established criteria for primary therapy of early breast cancer (see section Pharmacodynamic properties).

Docetaxel in combination with doxorubicin is indicated for the treatment of patients with locally advanced or Docetaxel in comination with observable in the real relative to patients with locally advanced or metastatic breast cancer who have not previously received cytotoxic therapy for this condition.

Docetaxel monotherapy is indicated for the treatment of patients with locally advanced or metastatic breast

cancer after failure of cytotoxic therapy. Previous chemotherapy should have included an anthracycline or an alkylating agent.

Docetaxel in combination with trastuzumab is indicated for the treatment of patients with metastatic breast cancer whose tumours over express HER2 and who previously have not received chemotherapy for metastatic

usease.

Docetaxel in combination with capecitabine is indicated for the treatment of patients with locally advanced or metastatic breast cancer after failure of cytotoxic chemotherapy. Previous therapy should have included an

anthracycline Non-small cell lung cancer
Docetaxel is indicated for the treatment of patients with locally advanced or metastatic non-small cell lung

cancer after failure of prior chemotherapy.

Docetaxel in combination with cisplatin is indicated for the treatment of patients with unresectable, locally advanced or metastatic non-small cell lung cancer, in patients who have not previously received chemotherapy fo

this condition. Prostate cancer Docetaxel in combination with prednisone or prednisolone is indicated for the treatment of patients with hormone refractory metastatic prostate cancer.

 Induction chemotherapy followed by chemoradiotherapy (TAX 324)

For the induction treatment of patients with locally advanced (technically unresectable, low probability of surgical cure, and aiming at organ preservation) squamous cell carcinoma of the head and neck (SCCHN), the recommended dose of docetaxel is 75 mg/m² as a 1 hour intravenous infusion on day 1, followed by cisplatin 100 mg/m² administered as a 30-minute to 3-hour infusion, followed by 5-fluorouracil 1000 mg/m²/day as a continuous infusion from day 1 to day 4. This regimen is administered every 3 weeks for 3 cycles. Following chemotherapy, patients should receive chemoradiotherapy.

<u>General</u> Docetaxel should be administered when the neutrophil count is ≥ 1,500 cells/mm³. In patients who experienced either febrile neutropenia, neutrophii count < 500 cells/mm³ for more than one week, severe or cumulative cutaneous reactions or severe peripheral neuropathy during docetaxel therapy, the dose of docetaxel should be reduced from 100 mg/m² to 75 mg/m² and/or from 75 to 60 mg/m². If the patient continues to experience these

reduced from 100 mg/m², the treatment should be discontinued.

Adjuvant therapy for breast cancer

Primary G-CSF prophylaxis should be considered in patients who receive docetaxel, doxorubicin and cyclophosphamide (TAC) adjuvant therapy for breast cancer. Patients who experience febrile neutropenia and/or neutropenic infection should have their docetaxel dose reduced to 60 mg/m² in all subsequent cycles (see sections Special warnings and precautions for use and Undesirable effects). Patients who experience Grada 3 or 4 shomatilis should have their dose decreased in 60 mg/m². Grade 3 or 4 stomatitis should have their dose decreased to 60 mg/m².

In combination with cisplatin

For patients who are dosed initially at docetaxel 75 mg/m² in combination with cisplatin and whose nadir of platelet count during the previous course of therapy is < 25,000 cells/mm³, or in patients who experience febrile neutropenia, or in patients with serious non-haematologic toxicities, the docetaxel dose in subsequent cycles should be reduced to 65 mg/m².

In combination with capecitabine For patients developing the first appearance of Grade 2 toxicity, which persists at the time of the next docetaxel/capecitabine treatment, delay treatment until resolved to Grade 0-1, and resume at 100% of the

 For patients developing the second appearance of Grade 2 toxicity, or the first appearance of Grade 3 toxicity. а а в у пред during the freatment cycle, delay treatment until resolved to Grade 0-1 and then resume treatment with docetaxel 55 mg/m².

For any subsequent appearances of toxicities, or any Grade 4 toxicities, discontinue the docetaxel dose In combination with cisplatin and 5-fluorouracil penia or neutropenic infection occurs despite G-CSF use an episode of febrile neutropenia, prolonged ne the docetaxel dose should be reduced from 75 to 60 mg/m². If subsequent episodes of complicated neutropenia

occur the docetaxel dose should be reduced from 60 to 45 mg/m². In case of Grade 4 thrombocytopenia the docetaxel dose should be reduced from 75 to 60 mg/m². Patients should not be retreated with subsequent cycles of docetaxel until neutrophils recover to a level > 1,500 cells/mm³ and platelets recover to a level > 100 000 cells/mm3. Discontinue treatment if these toxicities persist. mended dose modifications for toxicities in patients treated with docetaxel in combination with cisplatin and 5-fluorouracil (5-FU):

Toxicity
Diarrhoea grade 3 Dose adjustment First episode: reduce 5-FU dose by 20%

Second episode: then reduce docetaxel dose by 20% Diarrhoea grade 4 First episode: reduce docetaxel and 5-FU doses by 20% Second episode: discontinue treatment. First episode: reduce 5-FU dose by 20% Stomatitis/ mucositis grade 3 Second episode: stop 5-FU only, at all subsequent cycles. Third episode: reduce docetaxel dose by 20%.

First episode: stop 5-FU only, at all subsequent cycles. Stomatitis/mucositis grade 4 Second episode: reduce docetaxel dose by 20% Patients with hepatic impairment

Based on pharmacokinetic data with docetaxel at 100 mg/m² as single agent, patients who have both elevations of transaminase (ALT and/or AST) greater than 1.5 times the upper limit of the normal range (ULN) and alkaline phosphatase greater than 2.5 times the ULN, the recommended dose of docetaxel is 75 mg/m² For those patients with serum bilirubin > ULN and/or ALT and AST > 3.5 times the ULN associated with alkaline phosphatase > 6 times the ULN, no dose-reduction can be recommended and docetaxel should not be used In combination with cisplatin and 5-fluorouracil for the treatment of patients with gastric adenocarcinoma, no dose-reductions can be recommended and docetaxel should not be used unless strictly indicated. No data are

Paediatric population The safety and efficacy of Docetaxel in nasopharyngeal carcinoma in children aged 1 month to less than 18 years have not yet been established. Older people

available in patients with hepatic impairment treated by docetaxel in combination in the other indicati

Based on a population pharmacokinetic analysis, there are no special instructions for use in the older people In combination with capecitabine, for patients 60 years of age or more, a starting dose reduction of capecitabine Contraindications

Hypersensitivity to the active substance or to any of the excipients

Patients with baseline neutrophil count of < 1,500 cells/mm³.

Patients with severe liver impairment (see sections Posology and method of administration and Special warnings and precautions for use). Special warnings and precautions for use

For breast and non-small cell lung cancers, premedication consisting of an oral corticosteroid, such as

dexamethasone 16 mg per day (e.g. 8 mg BID) for 3 days starting 1 day prior to docetaxel administration, unless contraindicated, can reduce the incidence and severity of fluid retention as well as the severity of hypersensitivity reactions. For prostate cancer, the premedication is oral dexamethasone 8 mg, 12 hours, 3 hours and 1 hour before the docetaxel infusion (see section Posology and method of administration) Haematology

Neutropenia is the most frequent adverse reaction of docetaxel. Frequent monitoring of complete blood counts should be conducted on all patients receiving docetaxel. Patients should be retreated with docetaxel when neutrophils recover to a level ≥ 1,500 cells/m Hypersensitivity reactions
Patients should be observed closely for hypersensitivity reactions especially during the first and second infusions. Hypersensitivity reactions may occur within a few minutes following the initiation of the infusion of

docetaxel, thus facilities for the treatment of hypotension and bronchospasm should be available. If hypersensitivity reactions occur, minor symptoms such as flushing or localised cutaneous reactions do not require interruption of therapy. However, severe reactions, such as severe hypotension, bronchospasm or generalised rash/erythema require immediate discontinuation of docetaxel and appropriate therapy. Patients who have developed severe hypersensitivity reactions should not be re-challenged with docetaxel. Localised skin erythema of the extremities (palms of the hands and soles of the feet) with oedema followed by desquamation has been observed. Severe symptoms such as eruptions followed by desquamation which lead

to interruption or discontinuation of docetaxel treatment were reported. Fluid retention Patients with severe fluid retention such as pleural effusion, pericardial effusion and ascites should be monitored closely

Respiratory disorders Acute respiratory distress syndrome, interstitial pneumonia/pneumonitis, interstitial lung disease, pulmonary fibrosis and respiratory failure have been reported and may be associated with fatal outcome. Cases of radiation pneumonitis have been reported in patients receiving concomitant radiotherapy. If new or worsening pulmonary symptoms develop, patients should be closely monitored, promptly investigated,

and appropriately treated. Interruption of docetaxel therapy is recommended until diagnosis is available. Early use of supportive care measures may help improve the condition. The benefit of resuming docetaxel treatment must be carefully evaluated.

Patients with liver impairment In patients treated with docetaxel at 100 mg/m² as single agent who have serum transaminase levels (ALT and/or AST) greater than 1.5 times the ULN concurrent with serum alkaline phosphatase levels greater than 2.5 times the ULN, there is a higher risk of developing severe adverse reactions such as toxic deaths including sepsis and

gastrointestinal haemorrhage which can be fatal, febrile neutropenia, infections, thrombocytopenia, stomatitis and

asthenia. Therefore, the recommended dose of docetaxel in those patients with elevated liver function test (LFTs) is 75 mg/m² and LFTs should be measured at baseline and before each cycle. Patients with renal impairment There are no data available in patients with severely impaired renal function treated with docetaxel. Nervous system

The development of severe peripheral neurotoxicity requires a reduction of dose <u>Cardiac toxicity</u>
Heart failure has been observed in patients receiving docetaxel in combination with trastuzumab, particularly following anthracycline (doxorubicin or epirubicin)-containing chemotherapy. This may be moderate to severe and has been associated with death).

Gastrointestinal reactions

ml of beer or 4 ml wine per vial

When patients are candidates for treatment with docetaxel in combination with trastuzumab, they should undergo baseline cardiac assessment. Cardiac function should be further monitored during treatment (e.g. every three months) to help identify patients who may develop cardiac dysfunction

Eve disorders

Cystoid macular oedema (CMO) has been reported in patients treated with docetaxel. Patients with impaired vision should undergo a prompt and complete ophthalmologic examination. In case CMO is diagnosed, docetaxel treatment should be discontinued and appropriate treatment initiated.

Contraceptive measures must be taken by both men and women during treatment and for men at least 6 months after cessation of therapy (see section Fertility, pregnancy and lactation) The concomitant use of docetaxel with strong CYP3A4 inhibitors (e.g., ketoconazole, itraconazole, clarithromycin, indinavir, nefazodone, nelfinavir, ritonavir, saquinavir, telithromycin and voriconazole) should be avoided (see

section Interaction with other medicinal products and other forms of interaction).

Additional cautions for use in adjuvant treatment of breast cancer Complicated neutropenia For patients who experience complicated neutropenia (prolonged neutropenia, febrile neutropenia or infection), G-CSF and dose reduction should be considered (see section Posdogy and method of administration

early manifestations of serious gastrointestinal toxicity and should be evaluated and treated promptly Congestive heart failure (CHF)
Patients should be monitored for symptoms of congestive heart failure during therapy and during the follow up period. In patients treated with the TAC regimen for node positive breast cancer, the risk of CHF has beer shown to be higher during the first year after treatment (see sections Undesirable effects and

Symptoms such as early abdominal pain and tenderness, fever, diarrhoea, with or without neutropenia, may be

Pharmacodynamic properties) Leukaemia In the docetaxel, doxorubicin and cyclophosphamide (TAC) treated patients, the risk of delayed myelodysplasia or myeloid leukaemia requires haematological follow-up.

Older people
There are limited data available in patients > 70 years of age on docetaxel use in combination with doxorubicin and cyclophosphamide.
The incidence of the following adverse events (all grades): lethargy, stomatitis, neutropenic infection occurred at

rates ≥ 10% higher in patients who were 65 years of age or older compared to younger patients Older people treated with TCF should be closely monitored. $\underline{\text{Excipients}}$ This medicinal product contains 50 vol % ethanol (alcohol), i.e. up to 0.395 g (0.5 ml) per vial, equivalent to 10

Harmful for those suffering from alcoholism

The amount of alcohol in this medicinal product may impair the patients ability to drive or use machines. Interaction with other medicinal products and other forms of interaction:

In vitro studies have shown that the metabolism of docetaxel may be modified by the concomitant administration of compounds which induce, inhibit or are metabolised by (and thus may inhibit the enzyme competitively) cytochrome P450 3A such as ciclosporine, ketoconazole and erythromycin. As a result, caution should be exercised when treating patients with these medicinal products as concomitant therapy since there is a potential for a significant interaction.

In case of combination with CYP3A4 inhibitors, the occurrence of docetaxel adverse reactions may increase, as a result of reduced metabolism. If the concomitant use of a strong CYP3A4 inhibitor (e.g., ketoconazole, itraconazole clarithromycin, indinavir, nefazodone, neffinavir, ritonavir, saquinavir, telithromycin and voriconazole) cannot be avoided, a close clinical surveillance is warranted and a dose-adjustment of docetaxel may be suitable during the treatment with the strong CYP3A4 inhibitor.

Docetaxel is highly protein bound (2 95%). Although the possible *in vivo* interaction of docetaxel with concomitantly administered medicinal product has not been investigated formally, *in vitro* interactions with tightly protein-bound agents such as erythromycin, diphenhydramine, propranolol, propafenone, phenytoin, salicylate, sulfamethoxazole and sodium valproate did not affect protein binding of docetaxel.

When combined to docetaxel, the clearance of carboplatin was about 50% higher than values previously reported for carboplatin monotherapy. Fertility, pregnancy and lactation:

<u>Pregnancy</u>
As with other cytotoxic medicinal products, docetaxel may cause foetal harm when administered to pregnant women. Therefore, docetaxel must not be used during pregnancy unless clearly indicated. Women of childbearing age receiving docetaxel should be advised to avoid becoming pregnant, and to inform the treating physician immediately should this occur.

Breast-feeding Docetaxel is a lipophilic substance but it is not known whether it is excreted in human milk. Consequently,

because of the potential for adverse reactions in nursing infants, breast feeding must be discontinued for the duration of docetaxel therapy. Contraception in males and females

An effective method of contraception should be used during treatment.

In non clinical studies, docetaxel has genotoxic effects and may alter male fertility. Therefore, men being treated with docetaxel are advised not to father a child during and up to 6 months after treatment and to seek advice on

conservation of sperm prior to treatment. Effects on ability to drive and use machines:
No studies on the effects on the ability to drive a

hormone refractory metastatic prostate cancer.		n the ability to drive and use	machines have been perfort	ned.
Gastric adenocarcinoma	Undesirable effects:			
Docetaxel in combination with cisplatin and 5-fluorouracil is indicated for the treatment of patients with		actions in breast cancer for D	ocetaxel 100 mg/m² single a	
metastatic gastric adenocarcinoma, including adenocarcinoma of the gastroesophageal junction, who have not	MedDRA system organ	Very common adverse	Common adverse	Uncommon adverse
received prior chemotherapy for metastatic disease.	classes	reactions	reactions	reactions
Head and neck cancer	Infections and	Infections (G3/4: 5.7%;	Infection associated with	
Docetaxel in combination with cisplatin and 5-fluorouracil is indicated for the induction treatment of patients with	infestations	including sepsis and	G4 neutropenia (G3/4:	
locally advanced squamous cell carcinoma of the head and neck.		pneumonia, fatal in	4.6%)	
Posology and method of administration:		1.7%)	,	
Premedication Regimen	Blood and lymphatic	Neutropenia (G4:	Thrombocytopenia (G4:	
For breast, non-small cell lung, gastric, and head and neck cancers, premedication consisting of an oral	system disorders	76.4%); Anaemia (G3/4:	0.2%)	
corticosteroid, such as dexamethasone 16 mg per day (e.g. 8 mg BID) for 3 days starting 1 day prior to docetaxel	0,010111 010010010	8.9%); Febrile	0.270)	
administration, unless contraindicated, can be used. Prophylactic G-CSF may be used to mitigate the risk of		neutropenia		
haematological toxicities.	Immune system	Hypersensitivity (G3/4:		
	disorders	5.3%)		
For prostate cancer, given the concurrent use of prednisone or prednisolone the recommended premedication	Metabolism and nutrition	Anorexia		
regimen is oral dexamethasone 8 mg, 12 hours, 3 hours and 1 hour before the docetaxel infusion (see section		Anorexia		
Special warnings and precautions for use).	disorders	Davish sast sassas		
<u>Breast cancer</u>	Nervous system	Peripheral sensory		
In the adjuvant treatment of operable node-positive and node-negative breast cancer, the recommended dose	disorders	neuropathy (G3: 4.1%);		
of docetaxel is 75 mg/m ² administered 1-hour after doxorubicin 50 mg/m ² and cyclophosphamide 500 mg/m ²		Peripheral motor		
every 3 weeks for 6 cycles (TAC regimen)		neuropathy (G3/4: 4%);		
For the treatment of patients with locally advanced or metastatic breast cancer, the recommended dose of		Dysgeusia (severe:		
docetaxel is 100 mg/m ² in monotherapy. In first-line treatment, docetaxel 75 mg/m ² is given in combination		0.07%)		
therapy with doxorubicin (50 mg/m²).	Cardiac disorders		Arrhythmia (G3/4: 0.7%)	Cardiac failure
In combination with trastuzumab the recommended dose of docetaxel is 100 mg/m² every three weeks, with	Vascular disorders		Hypotension;	
trastuzumab administered weekly.			Hypertension;	
In combination with capecitabine, the recommended dose of docetaxel is 75 mg/m ² every three weeks, combined with			Haemorrhage	
capecitabine at 1250 mg/m² twice daily (within 30 minutes after a meal) for 2 weeks followed by a 1-week rest period.	Respiratory, thoracic and	Dyspnoea (severe: 2.7%)		
Non-small cell lung cancer	mediastinal disorders			
In chemotherapy naïve patients treated for non-small cell lung cancer, the recommended dose regimen is docetaxel 75	Gastrointestinal	Stomatitis (G3/4: 5.3%);	Constipation (severe:	Oesophagitis (severe:
mg/m² immediately followed by cisplatin 75 mg/m² over 30-60 minutes. For treatment after failure of prior platinum-based	disorders	Diarrhoea (G3/4: 4%);	0.2%); Abdominal pain	0.4%)
chemotherapy, the recommended dose is 75 mg/m ² as a single agent.		Nausea (G3/4: 4%);	(severe: 1%);	· '
Prostate cancer		Vomiting (G3/4: 3%)	Gastrointestinal	
The recommended dose of docetaxel is 75 mg/m ² . Prednisone or prednisolone 5 mg orally twice daily is		(haemorrhage (severe:	
administered continuously.			0.3%)	
Gastric adenocarcinoma a	Skin and subcutaneous	Alopecia; Skin reaction		
The recommended dose of docetaxel is 75 mg/m² as a 1-hour infusion, followed by cisplatin 75 mg/m², as a 1- to	tissue disorders	(G3/4: 5.9%); Nail		
3-hour infusion (both on day 1 only), followed by 5-fluorouracil 750 mg/m² per day given as a 24-hour continuous	accas alcordors	disorders (severe: 2.6%)		
infusion for 5 days, starting at the end of the cisplatin infusion. Treatment is repeated every three weeks.	Musculoskeletal and	Myalgia (severe: 1.4%)	Arthralgia	
Head and neck cancer	connective tissue	Wydigia (Severe: 1.470)	Aitinaigia	
Induction chemotherapy followed by radiotherapy (TAX 323)	disorders			
For the induction treatment of inoperable locally advanced squamous cell carcinoma of the head and neck	General disorders and	Fluid retention (severe:	Infusion site reaction;	
(SCCHN), the recommended dose of docetaxel is 75 mg/m² as a 1 hour infusion followed by cisplatin 75 mg/m²		6.5%); Asthenia (severe:		
over 1 hour, on day one, followed by 5-fluorouracil as a continuous infusion at 750 mg/m² per day for five days.	administration site conditions	11.2%); Pain	Non-cardiac chest pain (severe: 0.4%)	
This regimen is administered every 3 weeks for 4 cycles. Following chemotherapy, patients should receive		11.2%), Palli		
radiotherapy.	Investigations		G3/4 Blood bilirubin	
Induction chemotherapy followed by chemoradiotherapy (TAX 324)			increased (< 5%); G3/4	
			Blood alkaline	
For the induction treatment of patients with locally advanced (technically unresectable, low probability of surgical			phosphatase increased	
cure, and aiming at organ preservation) squamous cell carcinoma of the head and neck (SCCHN), the			(< 4%); G3/4 AST	
recommended dose of docetaxel is 75 mg/m² as a 1 hour intravenous infusion on day 1, followed by cisplatin 100			increased (< 3%); G3/4	
mg/m² administered as a 30-minute to 3-hour infusion, followed by 5-fluorouracil 1000 mg/m²/day as a continuous	1	1	ALT increased (< 2%)	

	THE THIOTOGOGG	(= 70)
Tabulated list of adverse reactions i	in breast cancer for Docetaxel 75 mg	g/m² single agent
MedDRA system organ classes	Very common adverse reactions	Common adverse reactions
Infections and infestations	Infections (G3/4: 5%)	
Blood and lymphatic system disorders	Neutropenia (G4: 54.2%); Anaemia (G3/4: 10.8%); Thrombocytopenia (G4: 1.7%)	Febrile neutropenia
Immune system disorders		Hypersensitivity (no severe)
Metabolism and nutrition disorders	Anorexia	
Nervous system disorders	Peripheral sensory neuropathy (G3/4: 0.8%)	Peripheral motor neuropathy (G3/4 2.5%)
Cardiac disorders		Arrhythmia (no severe)
Vascular disorders		Hypotension
Gastrointestinal disorders	Nausea (G3/4: 3.3%); Stomatitis (G3/4: 1.7%); Vomiting (G3/4: 0.8%); Diarrhoea (G3/4: 1.7%)	Constipation
Skin and subcutaneous tissue disorders	Alopecia; Skin reaction (G3/4: 0.8%)	Nail disorders (severe: 0.8%)
Musculoskeletal and connective tissue disorders		Myalgia
General disorders and administration site conditions	Asthenia (severe: 12.4%); Fluid retention (severe: 0.8%); Pain	
Investigations		G3/4 Blood bilirubin increased (< 2%)

ALT increased (< 2%)

Tabulated list of adverse re	actions in breast cancer for	Docetaxel 75 mg/m ² in combi	nation with doxorubicin
MedDRA system organ classes	Very common adverse reactions	Common adverse reactions	Uncommon adverse reactions
Infections and infestations	Infection (G3/4: 7.8%)		
Blood and lymphatic system disorders	Neutropenia (G4: 91.7%); Anaemia (G3/4: 9.4%); Febrile neutropenia; Thrombocytopenia (G4: 0.8%)		
Immune system disorders		Hypersensitivity (G3/4: 1.2%)	
Metabolism and nutrition disorders		Anorexia	
Nervous system disorders	Peripheral sensory neuropathy (G3: 0.4%)	Peripheral motor neuropathy (G3/4: 0.4%)	
Cardiac disorders		Cardiac failure; Arrhythmia (no severe)	
Vascular disorders			Hypotension
Gastrointestinal disorders	Nausea (G3/4: 5%); Stomatitis (G3/4: 7.8%); Diarrhoea (G3/4: 6.2%); Vomiting (G3/4: 5%); Constipation		
Skin and subcutaneous tissue disorders	Alopecia; Nail disorders (severe: 0.4%); Skin reaction (no severe)		
Musculoskeletal and connective tissue disorders		Myalgia	
General disorders and administration site conditions	Asthenia (severe: 8.1%); Fluid retention (severe: 1.2%); Pain	Infusion site reaction	
Investigations		G3/4 Blood bilirubin increased (< 2.5%); G3/4 Blood alkaline phosphatase increased (< 2.5%)	G3/4 AST increased (< 1%); G3/4 ALT increased (< 1%)
Tabulated list of adverse re	eactions in breast cancer for	Docetaxel 75 mg/m ² in combi	nation with cisplatin
MedDRA system organ	Very common adverse	Common adverse	Uncommon adverse

MedDRA system organ classes	Very co reaction	mmon adverse	Common adver-	se	Uncommon adverse reactions
Infections and infestations		(G3/4: 5.7%)	reactions		Teactions
Blood and lymphatic system disorders	51.5%); 6.9%);	enia (G4: Anaemia (G3/4: ocytopenia (G4:	Febrile neutrope	nia	
Immune system disorders	2.5%)	nsitivity (G3/4:			
Metabolism and nutrition disorders	Anorexia	-			
Nervous system disorders	neuropa Peripher	ral sensory thy (G3: 3.7%); ral motor thy (G3/4: 2%)			
Cardiac disorders			Arrhythmia (G3/4		Cardiac failure
Vascular disorders			Hypotension (G3 0.7%)	1/4:	
Gastrointestinal disorders	Vomiting Diarrhoe	(G3/4: 9.6%); g (G3/4: 7.6%); ea (G3/4: 6.4%); iis (G3/4: 2%)	Constipation		
Skin and subcutaneous tissue disorders	Alopecia (severe:	n; Nail disorders 0.7%); Skin (G3/4: 0.2%)			
Musculoskeletal and connective tissue disorders	Myalgia	(severe: 0.5%)			
General disorders and administration site conditions	Fluid ret	a (severe: 9.9%); ention (severe: ever (G3/4:	Infusion site read Pain	tion;	
Investigations			G3/4 Blood bilirubin increased (2.1%); G3/4 ALT increased (1.3%)		G3/4 AST increased (0.5%); G3/4 Blood alkaline phosphatase increased (0.3%)
Tabulated list of adverse re	actions in b	oreast cancer for De	ocetaxel 100 mg/m ²	in combir	nation with trastuzumab
MedDRA system organ o	classes	Very common acreactions	dverse	Commo	n adverse reactions
Blood and lymphatic system Neutropenia (G3			4 · 32%) · Febrilo		

, ,	reactions	
Blood and lymphatic system	Neutropenia (G3/4: 32%); Febrile	
disorders	neutropenia (includes neutropenia	
	associated with fever and	
	antibiotic use) or neutropenic	
	sepsis	
Metabolism and nutrition	Anorexia	
disorders		
Psychiatric disorders	Insomnia	
Nervous system disorders	Paresthesia; Headache;	
	Dysgeusia; Hypoaesthesia	
Eye disorders	Lacrimation increased;	
	Conjunctivitis	
Cardiac disorders	-	Cardiac failure
Vascular disorders	Lymphoedema	
Respiratory, thoracic and	Epistaxis; Pharyngolaryngeal	
mediastinal disorders	pain; Nasopharyngitis; Dyspnoea;	
	Cough; Rhinorrhoea	
Gastrointestinal disorders	Nausea; Diarrhoea; Vomiting;	
	Constipation; Stomatitis;	
	Dyspepsia; Abdominal pain	
Skin and subcutaneous tissue	Alopecia; Erythema; Rash; Nail	
disorders	disorders	
Musculoskeletal and connective	Myalgia; Arthralgia; Pain in	
tissue disorders	extremity; Bone pain; Back pain	
General disorders and	Asthenia; Oedema peripheral;	Lethargy
administration site conditions	Pyrexia; Fatique; Mucosal	0,
	inflammation; Pain; Influenza like	
	illness; Chest pain; Chills	
Investigations	Weight increased	
Tabulated list of adverse reactions in	breast cancer for Docetaxel 75 mg/m	² in combination with capecitabine
MedDRA system organ classes	Very common adverse	Common adverse reactions
,g	reactions	
Infections and infestations		Oral candidiasis (G3/4: < 1%)
Blood and lymphatic system	Neutropenia (G3/4: 63%);	Thrombocytopenia (G3/4: 3%)

<u>Labulated list of adverse reactions in breast cancer for Docetaxel 75 mg/m² in combination with capecitabine</u>				
MedDRA system organ classes	Very common adverse reactions	Common adverse reactions		
Infections and infestations		Oral candidiasis (G3/4: < 1%)		
Blood and lymphatic system disorders	Neutropenia (G3/4: 63%); Anaemia (G3/4: 10%)	Thrombocytopenia (G3/4: 3%)		
Metabolism and nutrition disorders	Anorexia (G3/4: 1%); Decreased appetite	Dehydration (G3/4: 2%)		
Nervous system disorders	Dysgeusia (G3/4: < 1%); Paraesthesia (G3/4: < 1%)	Dizziness; Headache (G3/4: < 1%); Neuropathy peripheral		
Eye disorders	Lacrimation increased			
Respiratory, thoracic and mediastinal disorders	Pharyngolaryngeal pain (G3/4: 2%)	Dyspnoea (G3/4: 1%); Cough (G3/4: < 1%); Epistaxis (G3/4: < 1%)		



Gastrointestinal disorders		Stomatitis (G3/4: 18%); Diarrhoea (G3/4: 14%); Nausea (G3/4: 6%); Vomiting (G3/4: 4%); Constipation (G3/4: 1%); Abdominal pain		Abdominal pain upper; Dry mouth	
Skin and subcutaneous tis disorders	ssue	(G3/4: 2%); Dysp Hand-foot syndro Alopecia (G3/4: 6	ome (G3/4: 24%); 5%); Nail	Dermatitis; Rash erythematous (G3/4: < 1%); Nail discolouration;	
Musculoskeletal and conn tissue disorders	ective	disorders (G3/4: 29 Myalgia (G3/4: 29 (G3/4: 1%)		Onycholysis (G3/4: 1%) Pain in extremity (G3/4: < 1%); Back pain (G3/4: 1%)	
General disorders and administration site condition	ons	Asthenia (G3/4: 3 (G3/4: 1%); Fatig (G3/4: 5%); Oede (G3/4: 1%)	ue/weakness	Lethargy Pain	<i>y</i> ;
Investigations				bilirubin	decreased; G3/4 Blood increased (9%)
	reactions	in breast cancer for	or Docetaxel 75 m	g/m² in co	ombination with prednisone of
prednisolone MedDRA system organ	classes	Very common a reactions	dverse	Commo	n adverse reactions
Infections and infestations Blood and lymphatic syste		Infection (G3/4: 3 Neutropenia (G3/	/4: 32%);		ocytopenia (G3/4: 0.6%);
disorders Immune system disorders		Anaemia (G3/4: 4	4.9%)		neutropenia ensitivity (G3/4: 0.6%)
Metabolism and nutrition		Anorexia (G3/4: 0	0.6%)	riyperse	anotavity (O0/4, 0.0%)
disorders Nervous system disorders	3	Peripheral senso (G3/4: 1.2%); Dy	ry neuropathy	Peripher	ral motor neuropathy (G3/4:
Eye disorders		0%)	ogedala (Go)4.	,	tion increased (G3/4: 0.6%)
Cardiac disorders				Cardiac	left ventricular function
Respiratory, thoracic and				Epistaxi:	e (G3/4: 0.3%) s (G3/4: 0%); Dyspnoea
mediastinal disorders Gastrointestinal disorders		Nausea (G3/4: 2.	4%): Diarrhoea	(G3/4: 0	.6%); Cough (G3/4: 0%)
Custionicstinal disorders		(G3/4: 1.2%); Stomatitis/Pharyr 0.9%); Vomiting (ngitis (G3/4:		
Skin and subcutaneous tis	ssue	Alopecia; Nail dis		Exfoliati	ve rash (G3/4: 0.3%)
disorders Musculoskeletal and conn		severe)		Arthralgi	ia (G3/4: 0.3%); Myalgia
bone disorders General disorders and		Fatigue (G3/4: 3.		(G3/4: 0	.3%)
	e reactio		cer for adjuvant		with Docetaxel 75 mg/m ² in sitive (TAX 316) and node
negative (GEICAM 9805)	breast ca	ncer - pooled data			onlive (1700 oro) and nous
MedDRA System Organ classes		ommon adverse	Common adver reactions	se	Uncommon adverse
Infections and infestations		n (G3/4: 2.4%); penic infection	reactions		reactions
Blood and lymphatic system disorders	Neutron 59.2%) Thromb (G3/4:	ia (G3/4: 3%); penia (G3/4:			
Immune system disorders		ζ,	Hypersensitivity 0.6%)	(G3/4:	
Metabolism and nutrition disorders	Anorex	ia (G3/4: 1.5%)			
Nervous system disorders	Periphe	usia (G3/4: 0.6%); eral sensory athy (G3/4:	ry neuropathy (G3/4:		Syncope (G3/4: 0%); Neurotoxicity (G3/4: 0%); Somnolence (G3/4: 0%)
Eye disorders		ctivitis (G3/4:	Lacrimation increased (G3/4: <0.1%)		
Cardiac disorders Vascular disorders	,	sh (G3/4: 0.5%)	Arrhythmia (G3/4) Hypotension (G3/4)	3/4: 0%);	Lymphoedema (G3/4: 0%)
Respiratory, thoracic and mediastinal disorders Gastrointestinal disorders	Stomat Vomitin Diarrho	a (G3/4: 5.0%); itis (G3/4: 6.0%); ig (G3/4: 4.2%); ea (G3/4: 3.4%); pation (G3/4:	Cough (G3/4: 09 Abdominal pain 0.4%)	%)	
Skin and subcutaneous tissue disorders	<3%); § (G3/4: 0	ia (persisting: Skin disorder 0.6%); Nail			

Tabulated list of adv

Weight increased (G3/4

0%): Weight decreased (G3/4: 0.2%)

disorders (G3/4: 0.4%) Myalgia (G3/4: 0.7%);

Arthralgia (G3/4: 0.2%)

Amenorrhoea (G3/4: NA)

Asthenia (G3/4: 10.0%) Pyrexia (G3/4: NA);

Oedema peripheral (G3/4: 0.2%)

Musculoskeletal and connective tissue

conditions

Investigations

Reproductive system and breast disorders General disorders and administration site

MedDRA system organ	Very common adverse	Common adverse reactions
classes	reactions	
Infections and infestations	Neutropenic infection; Infection (G3/4: 11.7%)	
Blood and lymphatic system disorders	Anaemia (G3/4: 20.9%); Neutropenia (G3/4: 83.2%); Thrombocytopenia (G3/4: 8.8%); Febrile neutropenia	
Immune system disorders Metabolism and nutrition disorders	Hypersensitivity (G3/4: 1.7%) Anorexia (G3/4: 11.7%)	
Nervous system disorders	Peripheral sensory neuropathy (G3/4: 8.7%)	Dizziness (G3/4: 2.3%); Peripheral motor neuropathy (G3/4: 1.3%)
Eye disorders		Lacrimation increased (G3/4: 0%)
Ear and labyrinth disorders		Hearing impaired (G3/4: 0%)
Cardiac disorders		Arrhythmia (G3/4: 1.0%)
Gastrointestinal disorders	Diarrhoea (G3/4: 19.7%); Nausea (G3/4: 16%); Stomatitis (G3/4: 23.7%); Vomiting (G3/4: 14.3%)	Constipation (G3/4: 1.0%); Gastrointestinal pain (G3/4: 1.0%); Oesophagitis/dysphagia/odynophagi (G3/4: 0.7%)
Skin and subcutaneous tissue disorders	Alopecia (G3/4: 4.0%)	Rash pruritus (G3/4: 0.7%); Nail disorders (G3/4: 0.7%); Skin exfoliation (G3/4: 0%)
General disorders and administration site conditions	Lethargy (G3/4: 19.0%); Fever (G3/4: 2.3%); Fluid retention (severe/lifethreatening: 1%)	

cisplatin and 5-fluorouraci	[followed by radiotherapy (Ta	VA 333)	
MedDRA system organ classes	Very common adverse reactions	Common adverse reactions	Uncommon adverse reactions
Infections and infestations	Infection (G3/4: 6.3%); Neutropenic infection	Teactions	reactions
Neoplasms benign, malignant and unspecified (incl cysts and polyps)		Cancer pain (G3/4: 0.6%)	
Blood and lymphatic system disorders	Neutropenia (G3/4: 76.3%); Anaemia (G3/4: 9.2%); Thrombocytopenia (G3/4: 5.2%)	Febrile neutropenia	
Immune system disorders		Hypersensitivity (no severe)	
Metabolism and nutrition disorders	Anorexia (G3/4: 0.6%)		
Nervous system disorders	Dysgeusia/Parosmia; Peripheral sensory neuropathy (G3/4: 0.6%)	Dizziness	
Eye disorders		Lacrimation increased; Conjunctivitis	
Ear and labyrinth disorders		Hearing impaired	
Cardiac disorders		Myocardial ischemia (G3/4:1.7%)	Arrhythmia (G3/4: 0.6%)
Vascular disorders		Venous disorder (G3/4: 0.6%)	
Gastrointestinal disorders	Nausea (G3/4: 0.6%); Stomatitis (G3/4: 4.0%); Diarrhoea (G3/4: 2.9%); Vomiting (G3/4: 0.6%)	Constipation; Esophagitis/dysphagia/ odynophagia (G3/4: 0.6%); Abdominal pain; Dyspepsia; Gastrointestinal haemorrhage (G3/4: 0.6%)	
Skin and subcutaneous tissue disorders	Alopecia (G3/4: 10.9%)	Rash pruritic; Dry skin; Skin exfoliative (G3/4: 0.6%)	
Musculoskeletal and connective tissue disorders		Myalgia (G3/4: 0.6%)	
General disorders and administration site conditions	Lethargy (G3/4: 3.4%); Pyrexia (G3/4: 0.6%); Fluid retention; Oedema		
Investigations	followed by chemoradiother	Weight increased	
MedDRA system organ classes	Very common adverse reactions	Common adverse reactions	Uncommon adverse reactions
	1.6. (0.0/4.0.00/)		1

administration site	Pyrexia (G3/4: 0.6%);		
conditions	Fluid retention; Oedema	AM	
Investigations	fellowed by the second of the second	Weight increased	
	followed by chemoradiother		I O
MedDRA system organ	Very common adverse reactions	Common adverse reactions	Uncommon adverse
classes Infections and	Infection (G3/4: 3.6%)	Neutropenic infection	reactions
infections and infestations	Intection (G3/4: 3.6%)	Neutropenic infection	
Neoplasms benign,		Cancer pain (G3/4:	
malignant and		1.2%)	
unspecified (incl cysts		1.270)	
and polyps)			
Blood and lymphatic	Neutropenia (G3/4:		
system disorders	83.5%); Anaemia (G3/4:		
ayatam diadradra	12.4%):		
	Thrombocytopenia		
	(G3/4: 4.0%); Febrile		
	neutropenia		
Immune system	- Process		Hypersensitivity
disorders			
Metabolism and nutrition	Anorexia (G3/4: 12.0%)		
disorders			
Nervous system	Dysgeusia/Parosmia	Dizziness (G3/4: 2.0%);	
disorders	(G3/4: 0.4%); Peripheral	Peripheral motor	
	sensory neuropathy (G3/4: 1.2%)	neuropathy (G3/4: 0.4%)	
Eye disorders		Lacrimation increased	Conjunctivitis
Ear and labyrinth	Hearing impaired (G3/4:		
disorders	1.2%)		
Cardiac disorders		Arrhythmia (G3/4: 2.0%)	Ischemia myocardial
Vascular disorders			Venous disorder
Gastrointestinal	Nausea (G3/4: 13.9%);	Dyspepsia (G3/4: 0.8%);	
disorders	Stomatitis (G3/4: 20.7%);	Gastrointestinal pain	
	Vomiting (G3/4: 8.4%);	(G3/4: 1.2%);	
	Diarrhoea (G3/4: 6.8%);	Gastrointestinal	
	Esophagitis/dysphagia/	haemorrhage (G3/4:	
	odynophagia (G3/4:	0.4%)	
	12.0%); Constipation		
Skin and subcutaneous	(G3/4: 0.4%) Alopecia (G3/4: 4.0%);	Dry skin ; Desquamation	
tissue disorders	Rash pruritic	Dry Skill , Desqualilation	
Musculoskeletal.	raan prunuo	Myalgia (G3/4: 0.4%)	
connective tissue bone		141yaigia (00/4. 0.4/0)	
disorders			
General disorders and	Lethargy (G3/4: 4.0%);		
administration site	Pyrexia (G3/4: 3.6%);		
conditions	Fluid retention (G3/4:		
	1.2%); Oedema (G3/4:		
	1.2%)		
Investigations	Weight decreased		Weight increased
Overdose:		<u></u>	
	of overdose. There is no known		
the patient should be kep	ot in a specialised unit and	vital functions closely mon	itored. In cases of over

exacerbation of adverse events may be expected. The primary anticipated complications of overdose would consist of bone marrow suppression, peripheral neurotoxicity and mucositis. Patients should receive therapeutic G-CSF as soon as possible after discovery of overdose. Other appropriate symptomatic measures should be taken, as needed.

Pharmacological properties: Pharmacodynamic properties:

Pharmacotherapeutic group: Taxanes, ATC Code: L01CD02 Mechanism of action

Docetaxel is an antineoplastic agent which acts by promoting the assembly of tubulin into stable microtubules and inhibits their disassembly which leads to a marked decrease of free tubulin. The binding of docetaxel to microtubules does not alter the number of protofilaments. Docetaxel has been shown in vitro to disrupt the microtubular network in cells which is essential for vital mitotic and interphase cellular functions. Pharmacokinetic properties:

The pharmacokinetics of docetaxel have been evaluated in cancer patients after administration of 20-115 mg/m2 in phase I studies. The kinetic profile of docetaxel is dose independent and consistent with a three-

compartment pharmacokinetic model with half lives for the α , β and γ phases of 4 min, 36 min and 11.1 h, respectively. The late phase is due, in part, to a relatively slow efflux of docetaxel from the peripheral compartment.

Distribution

Following the administration of a 100 mg/m² dose given as a one-hour infusion a mean peak plasma level of 3.7 µg/ml was obtained with a corresponding AUC of 4.6 h, µg/ml. Mean values for total body clearance and steady-state volume of distribution were 21 l/h/m² and 113 l, respectively. Inter individual variation in total body clearance was approximately 50%. Docetaxel is more than 95% bound to plasma proteins. Elimination
A study of ¹⁴C-docetaxel has been conducted in three cancer patients. Docetaxel was eliminated in both the urine and faeces following cytochrome P450-mediated oxidative metabolism of the tert-butyl ester group, within seven

days, the urinary and faecal excretion accounted for about 6% and 75% of the administered radioactivity, respectively. About 80% of the radioactivity recovered in faeces is excreted during the first 48 hours as one major inactive metabolite and 3 minor inactive metabolites and very low amounts of unchanged medicinal product. Special populations

Age and gender
The pharmacokinetics of docetaxel were not altered by the age or sex of the patient.

Hepatic impairment In a small number of patients (n = 23) with clinical chemistry data suggestive of mild to moderate liver function impairment (ALT, AST ≥ 1.5 times the ULN associated with alkaline phosphatase ≥ 2.5 times the ULN), total clearance was lowered by 27% on average (see section Posology and method of administration). Fluid retention

Docetaxel clearance was not modified in patients with mild to moderate fluid retention and there are no data available in patients with severe fluid retention. Combination therapy

Doxorubicin

When used in combination, docetaxel does not influence the clearance of doxorubicin and the plasma levels of doxorubicinol (a doxorubicin metabolite). The pharmacokinetics of docetaxel, doxorubicin and cyclophosphamide were not influenced by their co-administration.

Capecitabine

Phase I study evaluating the effect of capecitabine on the pharmacokinetics of docetaxel and vice versa showed no effect by capecitabine on the pharmacokinetics of docetaxel (Cmax and AUC) and no effect by docetaxel on the pharmacokinetics of a relevant capecitabine metabolite 5'-DFUR.

Clearance of docetaxel in combination therapy with cisplatin was similar to that observed following monotherapy. The pharmacokinetic profile of cisplatin administered shortly after docetaxel infusion is similar to that observed with cisplatin alone.

Cisplatin and 5-fluorouracil

The combined administration of docetaxel, cisplatin and 5-fluorouracil in 12 patients with solid tumours had no influence

on the pharmacokinetics of each individual medicinal product.

Prednisone and dexamethasone

The effect of prednisone on the pharmacokinetics of docetaxel administered with standard dexamethasone

premedication has been studied in 42 patients.

Prednisone

No effect of prednisone on the pharmacokinetics of docetaxel was observed.

List of excipients:

Citric acid Anhydrous

Dehydrated Alcohol Polysorbate 80 Shelf life:

Unopened vial 24 months

After opening of the vial

Each vial is for single use and should be used immediately after opening. If not used immediately, in-use storage times and conditions are the responsibility of the user.

Once added to the infusion bag
From a microbiological point of view, dilution must take place in controlled and aseptic conditions and the
medicinal product should be used immediately. If not used immediately, in-use storage times and conditions are
the responsibility of the user.

Once added as recommended into the infusion bag, the docetaxel infusion solution, if stored below 25°C, is stable for 6 hours. It should be used within 6 hours (including the one hour infusion intravenous administration). The infusion solution must not be coupled to the infusion set for more than 8 h at 25°C. In addition, physical and chemical in-use stability of the infusion solution prepared as recommended has been

demonstrated in non-PVC bags up to 48 hours when stored between 2 to 8°C.

Special precautions for storage:

Do not store above 30°C.

Do not store above 30°C.

Store in the original package in order to protect from light.

For storage conditions of the diluted medicinal product, see section Shelf life.

Special precautions for disposal and other handling:

Docetaxel is an antineoplastic agent and, as with other potentially toxic compounds, caution should be exercised when handling it and preparing Docetaxel solutions. The use of gloves is recommended.

If Docetaxel concentrate or infusion solution should come into contact with skin, wash immediately and thoroughly with soap and water. If Docetaxel concentrate or infusion solution should come into contact with material processing the production of the process of the pro mucous membranes, wash immediately and thoroughly with water. Preparation for the intravenous administration

Preparation of the infusion solution DO NOT use other docetake medicinal products consisting of 2 vials (concentrate and solvent) with this medicinal product which contains only 1 vial of concentrate. Docetaxel 20 mg/ml concentrate for solution for infusion requires NO prior dilution with a solvent and is ready to add to the infusion solution.

Each vial is of single use and should be used immediately.

If the vials are stored under refrigeration, allow the required number of boxes of Docetaxel concentrate for solution for infusion to stand below 25°C for 5 minutes before use. More than one vial of Docetaxel concentrate for solution for infusion may be necessary to obtain the required dose for the patient.

Aseptically withdraw the required amount of Docetaxel concentrate for solution for infusion using a calibrated syringe. In Taxtas 20 vial & Taxtas 80 vial, the concentration of docetaxel is 20 mg/ml.

The required volume of Docetaxel concentration for infusion must be injected via a single injection (one shot) into a 250 ml infusion bag containing either 5% glucose solution or sodium chloride 9 mg/ml (0.9%) callution for infusion.

solution for infusion.

If a dose greater than 190 mg of docetaxel is required, use a larger volume of the infusion vehicle so that a concentration of 0.74 mg/ml docetaxel is not exceeded.

Mix the infusion bag manually using a rocking motion.

The infusion bag solution should be used within 6 hours below 25°C including the one hour infusion to the patient.

As with all parenteral products, Docetaxel infusion solution should be visually inspected prior to use, solutions containing a precipitate should be discarded. Docetaxel infusion solution is supersaturated and may therefore crystallize over time. If crystals appear, the solution must no longer be used and shall be discarded.

Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

Manufactured by:

Intas Pharmaceuticals Limited. Plot No 5-14 Pharmez, Near Village Matoda, Sarkhej-Bavla National Highway No. 8-A, Sanand Taluka, Ahmedabad, Gujarat, IN-382213, India.

