

Capecitabine Tablets IP





##£00£ 150/500

XORTIB™ 150 Each film coated tablet contains: Capecitabine IP Excipients

XORTIR™ 500 Each film coated tablet contains Capecitabine IP 500 mg

PHARMACEUTICAL FORM

PHARMACOLOGICAL PROPERTIES

Pharmacodynamic Properties
Pharmacotherapeutic group: Antineoplastic (antimetabolites)
ATC code: L01BC06

Mechanism of Action
Certain enzymes convert capecitabine to 5-fluorouracil (5-FU) *in vivo*. Both normal and tumor cells metabolize 5-FU to 5-fluoro-2'-deoxyuridine monophosphate (feldUMP) and 5-fluorouridine triphosphate (IPI). These metabolities cause cell injury by 2 different mechanisms. First, 16UMP and the folate cofactor, IN5-10 methylenetetrahydrofolate, bind to thymiolyside synthase (IS) to form a covalently bound ternary complex. This binding inhibits the formation of thymiolyside from 2'-deoxyuridyste. Thymidylate is the necessary precursor of thymidine triphosphate, which is essential for the synthesis of DIMA, so that a deficiency of this compound can inhibit acid wiskins. Second, nuclear transplaced enzyme armisalized princip roporate IPI IPI in DIM of Virginia (Proposite IPI) and the control of IPIA. This metabolic error can interfere with RNA processing and protein synthesis.

Pharmackinetic Properties
Capectable is readily absorbed from the gastrointestinal tract, with peak plasma concentrations courring at about 15 hours. Food reduces the rate and extent of absorption. The plasma protein binding of capectablen is less than 60% Capectablen is hydrolyzed in the liver to 5'-deoxy-5-fluorocytidine (5'-DFUR, then converted to 5'-deoxy-5-fluorocytidine (5'-DFUR), then converted to 5'-deoxy-5-fluorocytidine (5'-DFUR), then converted to 5'-deoxy-5-fluorocytidine (5'-DFUR), and subsequently to 5-fluorouszal in body itssues, which is further metabolised. About 3% of a does of capectablen is excreted in the urine unchanged.

**Pharmackinetic: in Special Populations: A population pharmacokinetic analysis was carried out after capectablen treatment of 505 patients with colorestical cancer dosed at 1250 mg/m² viewed abily Gender, presence or absence of liver metastasis at baseline, Karnofsky Performance Status, total billirubin, serum albumin, aspartate transaminase (AASI), and alanine transaminase (AAI) had no statistically significant effect on the pharmacokinetics of 5'-DFUR, 5-FU, and α-fluoro-β-alanine (FBAL).

Interest of the parameters of the parameters of 5-DUR, 5-FU, and a-fluoro-β-alianine (FBAL). Patients with repatic impairment Due to Liver Metastases: According to a pharmacokinetic study in cancer patients with mild to moderate liver impairment due to liver metastases, the bioavailability of capectabine and exposure to 5-FU may increase compared to patients with no liver impairment. There are no pharmacokinetic data on patients with severe hepatic impairment, cancer patients with mild to severe renal impairment. There is no evidence for an effect of creatinine clearance on the pharmacokinetic so intact drug and 5-FU. Creatinine clearance was found to influence the systemic exposure to 5-DFUR (35% increase in area under the concentration-time curve [AUC] when creatinine elearance decreases by 50%) and of PBAL (114% increase in AUC when creatinine elearance decreases by 50%) and may a consider the concentration-time curve [AUC] when creatinine elearance decreases by 50% and included 234 (46%) patients greater or equal to 6.5, age has no influence on the pharmacokinetic analysis, which included patients with a wide range of ages (27 to 86 years) and included 234 (46%) patients greater or equal to 6.5, age has no influence on the pharmacokinetic of 5-DFUR and 6-FUR. This increase in the AUC of FBAL (Tracinease is likely due to a change in renal EMBIL (Salori, Salori, Editoria) (Elevino) (Elevino)

Function. Ethnic Factors: Following oral administration of 825 mg/m² capecitabine twice daily for 14 days in Japanese patients (n=18), there was a 36% lower C_{ma} and 24% lower AUC than in Caucasian patients (n=22). There was about 25% lower C_{ma} and 34% lower AUC of FBAI, in the Japanese patients than the Caucasian patients. The clinical relevance of these differences curvolar host patients with differences occurred in the exposure to other metabolites (5-16CR, \$5-10R), and \$5-10.

Preclinical Safety Data
in repeat-dose toxicity studies, daily oral administration of capecitabine to cynomolgus monkeys and
mice produced toxic effects on the gastrointestinal, Iymphoid, and haemopoietic systems, typical for
mice produced toxic effects on the gastrointestinal, Iymphoid, and haemopoietic systems, typical for
mice produced toxic effects on the gastrointestinal, Iymphoid, and haemopoietic systems, typical for
degenerative/fregressive changes, was observed with capecitabine. Capecitabine was devoid of hepatic
and central nervous system (CNS, Iboxicities, Cardiovascular toxicity (e.g. PR: and C7-interval
prolongation) was detectable in cymomologus monkeys after intravenous administration (100 mg/kg)
but not after repeated oral dosing (1379 mg/m²/dg). A 2-year mouse carcinogenicity study produced no evidence of carcinogenicity by capecitabine.
During standard fertillity studies, impairment of fertility was observed in female mice receiving
capecitabine; however, this effect was reversible after a drug-free period, in addition, during a 13-week
study, atopic, and degenerative changes occurred in the reproductive organs of male mice, however
in embryotoxicity and festoopenicity studies in mice, dose-related increases in foetal resorption and
festorphylosoxicity and festoopenicity studies in mice, dose-related increases in foetal resorption and
festorphylosoxicity and festoopenicity is fulles in mice, dose-related increases in foetal resorption and
festorphylosoxicity and festoopenicity
capecitabine was no mutagenic in vivito to bacteria (Ames test) or mammalian cells (Chinese hamster
V79H/RRT gene mutation assay). However, similar to other nucleoside analogiuse (e. 5-FU),
appecitabile was calsosogenic in human hymphocytes (in vitro) and a positive trend occurred in mouse

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CLINICAL PARTICULARS

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 Capecitabline is indicated as a single agent for adjuvant treatment in patients with Dukes' C colon cancer who have undergone complete resection of the primary tumor.

 It is indicated for the treatment of melastial colonical cancer.

 It is indicated for first-line treatment of advanced gastric cancer in combination with a
- olatinum-based regimen plantium-based regimen.

 Capecitabline in combination with docetaxel is indicated for the treatment of patients with locally advanced or metastatic breast cancer after failure of prior anthracycline containing chemotherapy.

Posology and Method of Administration Capecitabine should only be prescribed by a qualified physician experienced in the utilisation of anti-neoplastic agents. Capecitabine tablets should be swallowed with water within 30 minutes after a meal. Treatment should be discontinued if progressive disease or intolerable toxicity is observed. Standard and reduced dose calculations according to body surface area for starting doses of capecitabine of 1250 mg/m² and 1000 mg/m² are provided in Table 1 and Table 2, respectively.

Recommended Posology

recommended rosology Monotherapy Colon, Colorectal, and Breast Cancer Color, Colorectal, and Breast Cancer Given as single agent, the recommended starting dose for capecitabine in the adjuvant treatment of color, cancer, in the treatment of metastatic colorectal cancer or of locally advanced or metastatic breast cancer is 250 might administered twice daily (morning and evening, equivalent to 2500 mg/m² total daily dose) for 14 days followed by a 7-day rest period. Adjuvant treatment in patients with stage ill.color.corner's recommended for a total of 6 months.

Combination Therapy
Colon, Colorectal, and Gastric Cancer
In combination treatment, the recommended starting dose of capecitabine should be reduced to 800
to 1000 mg/m² when administered twice daily for 14 days followed by a 7-day rest period or to
525 mg/m² wice daily when administered continuously. The inclusion or biological agents in a
combination regimen has no effect on the starting dose of capecitabine. Permedication to maintain
adequate hydration and and re-mess according to the capitalist summary of product bracertestics
adequate hydration and and re-mess according to the capital summary of product bracertestics
combination. Premedication with anti-emetics according to the oxalipatin summary of product
characteristics is recommended for patients receiving the capecitabine pilos oxalipatin combination.
Adjuvant treatment in patients with stage III colon cancer is recommended for a total of 6 months.

Breast Cancer
In combination with docetaxel, the recommended starting dose of capecitabine in the treatment of
metastatic breast cancer is 1250 mg/m² twice daily for 14 days followed by a 7-day rest period,
combined with docetaxel at 75 mg/m² as a 1-hour intravenous infusion every 3 weeks. Pre-medication

with an oral corticosteroid such as dexamethasone according to the docetaxel summary of product characteristics should be started prior to docetaxel administration for patients receiving the capecitabline plus docetaxel combination.

Capecitabine Dose Calculations Table 1: Standard and Reduced Dose Calculations According to Body Surface Area for a Starting Dose of Capecitabine of 1250 mg/m

Dose Level: 1250 mg/m² (twice daily)					
	Full Dose 1250 mg/m²	Number of 150 mg Tablets and/or 500 mg Tablets per Administration (each administration to be given morning and evening)		Reduced Dose (75%) 950 mg/m²	Reduced Dose (50%) 625 mg/m²
Body Surface Area (m²)	Dose per Administration (mg)	150 mg	500 mg	Dose per Administration (mg)	Dose per Administration (mg)
≤1.26	1500	-	3	1150	800
1.27-1.38	1650	1	3	1300	800
1.39-1.52	1800	2	3	1450	950
1.53-1.66	2000	-	4	1500	1000
1.67-1.78	2150	1	4	1650	1000
1.79-1.92	2300	2	4	1800	1150
1.93-2.06	2500	-	5	1950	1300
2.07-2.18	2650	1	5	2000	1300
≥2.19	2800	2	5	2150	1450

Table 2: Standard and Reduced Dose Calculations According to Body Surface Area for a Starting Dose

Dose Level: 1000 mg/m² (twice daily)					
	Fu ll Dose 1000 mg/m²	Number of 150 mg Tablets and/or 500 mg Tablets per Administration (each administration to be given morning and evening)		Reduced Dose (75%) 750 mg/m²	Reduced Dose (50%) 500 mg/m²
Body Surface Area (m²)	Dose per Administration (mg)	150 mg	500 mg	Dose per Administration (mg)	Dose per Administration (mg)
≤1.26	1150	1	2	800	600
1.27-1.38	1300	2	2	1000	600
1.39-1.52	1450	3	2	1100	750
1.53-1.66	1600	4	2	1200	800
1.67-1.78	1750	5	2	1300	800
1.79-1.92	1800	2	3	1400	900
1.93-2.06	2000	-	4	1500	1000
2.07-2.18	2150	1	4	1600	1050

Dose Adjustments During Treatment

General Todicity due to capecitabine administration may be managed by symptomatic treatment and/or modification of the dose (treatment interruption or dose reduction). Once the dose has been reduced, it should not be increased at a later time. For those toxicities considered by the treating hybricain to be unlikely to become serious or life-threatening (eg. alcopeda, altered taste, nail changes) treatment can be continued at the same dose without reduction or interruption. Patients taking capecitabine should be informed of the need to interrupt treatment immediately if moderate or severe toxicity occurs. Doses every continued to the continued at the recommended dose modifications for toxicity or entrappoided in Table 3.

Table 3: Capecitabine Dose Reduction Schedule (3-weekly Cycle or Continuous Treatment)

Toxicity Grades*	Dose Changes Within a Treatment Cycle	Dose Adjustment for Next Cycle/Dose (% of starting dose)
• Grade 1	Maintain dose level	Maintain dose level
• Grade 2	•	•
-1st Appearance	Interrupt until resolved to grade 0-1	100%
-2nd	· -	75%
Appearance		
-3rd Appearance		50%
-4th Appearance	Discontinue treatment permanently	Not applicable
• Grade 3		
-1st Appearance	Interrupt until resolved to grade 0-1	75%
-2nd		50%
Appearance		
 3rd Appearance 	Discontinue treatment permanently	Not applicable
Grade 4		
-1st Appearance	Discontinue permanently	50%
	or	
	If physician deems it to be in the patient's	
	best interest to continue, interrupt until	
	resolved to grade 0-1	
-2nd	Discontinue permanently	Not applicable
Appearance		

cording to the National Cancer Institute of Canada Clinical Trial Group (NCIC CTG) Common Toxicity Criteria (version 1) or the nmon Terminology Criteria for Adverse Events (CTCAE) of the Cancer Therapy Evaluation Program, US National Cancer Institute, in 3.0 For benefit for superviews and humanitarians.

Hematology Patients with baseline neutrophil counts of <1.5 × 10° L and/or thrombocyte counts of <100 × 10° L should not be treated with capacitables. If unscheduled laboratory assessments during a treatment cycle show that the neutrophil count drops below $1.0 \times 10^{\circ}$ L or that the platelet count drops below $7.5 \times 10^{\circ}$ L reatment with capacitables should be interrupted.

Dose Modifications for Toxicity When Capecitabine is Used as a 3-weekly Cycle in Combination With

Dose Modifications for Lockrity When Capectabline is Used as a 3-weekly Cycle in Combination With Other Agents. Dose modifications for toxicity when capectabline is used as a 3-weekly cycle in combination with other agents should be made according to Table 3 for capectabline and according to the appropriate summary of product characteristics for the other agent(s). At the beginning of a treatment cycle, if a treatment delay is indicated for either capectabline or the other agent(s), then administration of all agents should be delayed until the requirements for restarting all drugs are much Turing a treatment cycle for those toxicities considered by the treating physical in ont to be related to capectabline, capectabline should be continued and the dose of the other agent should be adjusted accordingly if the requirements for restarting agent behavior on the continued and the dose of the other capectabline are much the requirements for restarting agent behavior and the continued and the three devicements for restarting agent behavior and the continued and the three devicements for restarting agent behavior and the three capectables are the continued and the dose of the other three capectables are the continued and the dose of the other three capectables are the continued and the dose of the other three capectables are the continued and the dose of the other three capectables are the continued and the dose of the other three capectables are the capectable and the capectable and the capectable are the capectable and the capectable and the treatment and the capectable and the capectable and the capectable and the capectable and the treatment and the capectable and the capectable

Dose Modifications for Toxicity When Capecitabine is Used Continuously in Combination With Other

<u>Agents</u>
Dose modifications for toxicity when capecitabine is used continuously in combination with other agents should be made according to Table 3 for capecitabine and according to the appropriate summary of product characteristics for the other agent(s).

Posology Adjustments for Special Populations

hepatic Ingaliment in special reputations Hepatic Ingaliment reafficient safety and efficacy data are available in patients with hepatic impairment to provide a dose adjustment recommendation. No information is available on hepatic impairment due to cirrhosis or hepatitis.

Renal Impairment
Capacitables is contraindicated in patients with severe renal Impairment (creatinine clearance below
30 mL/min [Cockroft and Gault] at baseline). The incidence of grade 3 or 4 adverse reactions in
patients with moderate renal impairment (creatinine clearance 30-50 mL/min at baseline) is increased
compared to the overall population. In patients with moderate renal impairment at baseline, a dose reduction to 75% for a starting dose of 1250 mg/m² is recommended. In patients with moderate renal
impairment at baseline, no dose reduction is required for a starting dose of 1000 mg/m² in patients
with mild renal impairment (creatinine clearance 51-80 mL/min at baseline) no adjustment of the
recommended if the patient developes a grade 2, 3 or 4 abverse event futing treatment and
subsequent dose adjustment as outlined in Table 3. If the calculated creatinine clearance decreases
during treatment to a value below 30 mL/min. capacitables should be discontinued. These dose
adjustment recommendations for renal impairment apply both to monotherapy and combination use
(see also section fictory).

There is no experience in children (under 18 years).

Elderly

During capecitabine monotherapy, no adjustment of the starting dose is needed. However, grade 3 or 4 treatment-related adverse reactions were more frequent in patients \$\geq 60\$ years of age compared to younger patients. When capecitabine was used in combination with other agents, elderly patients (£65 years) experienced more grade 3 and grade 4 adverse drug reactions (ADRs), including those leading to discontinuation, compared to younger patients. Careful monitoring of patients \$60 years of \$\frac{1}{2} \text{ where the starting the starting that the sta

age is advisable. In Combination With Docetaxel: An increased incidence of grade 3 or 4 treatment-related adverse reactions and treatment-related serious adverse reactions were observed in patients 60 years of age or more. For patients 60 years of age or more, is a starting dose reduction of capacitable to 175% (950 mg/m* twice daily) is recommended. If no toxicity is observed in patients 5,00 years of age treated with a reduced capecitable starting dose in combination with docetaxel, the dose of capecitable may becautiously escalated to 1250 mg/m* twice daily.

In Combination With Ininfections for patients 65 years of age or more, a starting dose reduction of capecitable to 800 mg/m* twice daily is recommended.

- Contraindications

 History of severe and unexpected reactions to fluoropyrimidine therapy.

 Hypersensitivity to capecitabline or to any of the excipients or fluorouracil.

 In patients with known dihydropyrimidine dehydrogenase (PPD) deficiency.

 During pregnancy and lactation.

 In patients with severe lequal in-neutropenia, or thrombocytopenia.

 In patients with severe lequal impairment.

 In patients with severe repair impairment.

 In patients with severe renal impairment (creatinine clearance below 30 m/Lmin).

 Treatment with sortwider or its chemically related analogues, such as brivulane.

 If contraindications exist to any of the agents in the combination regimen, that agent should not be used.

Special Warnings and Precautions for Use

Warning: Capecitabine – Warfarin interaction Patients receiving concenitant capecitable and oral coumarin-derivative anticoagulant therapy should have their anticoagulant response (international Normalised Ratio, INR or profitrombin time) monitored frequently into order to adjust the anticoagulant does accordingly. In the control of the country of the country

Dose limiting toxicities include diarrhoea, abdominal pain, nausea, stomatitis and hand-foot syndrome (hand-foot skin reaction, palmar-plantar erythrodysesthesia). Most adverse reactions are reversible and do not require permanent discontinuation of therapy, although doses may need to be withheld or

do not require permanent discontinuation of therapy, although doses may need to be withheld or reduced. Diarhose-Patients with severe diarhoses should be carefully monitored and given fluid and electrolyte reglecement if they become dehydrated. Standard anti-diarhosel treatments (eg. loperamide) may be reglecement if they become dehydrated. Standard anti-diarhosel treatments (eg. loperamide) may be grade 3 diarhose as an increase of 7 to 9 stook/day or incontinence and melabscorption. Grade 4 diarhose as an increase of 7 to 9 stook/day or incontinence and melabscorption. Grade 4 support. Dose reduction should be applied as necessary. Dehydration: Dehydration should be applied as necessary. Dehydration: Deuty-gradine between the properties of the properties of the properties of dehydration course, capecitabine treatment should be immediately interrupted and the ethydration causes here been corrected or controlled until the patient is treybrate and any preceptions causes here been corrected or controlled. Dose modifications applied should be applied for the preceptitating adverse event as necessity.

removal nerve users corrected or controlled. Dose modifications applied should be applied for the precipitating adverse event as necessary.

Hand-foot Syndrome (also known as hand-foot skin reaction or palmar-plantar erythrodysesthesia or chemotherapy induced acral erythema).

Grade 1 hand-foot syndrome is defined as numbness, dysesthesia/paraesthesia, tingling, painless swelling, or erythema of the hands and/or feet and/or discomfort which does not disrupt the patient's normal activities.

Grade 1 hand-foot syndrome is defined as numbness, dysesthesia/paraesthesia, tingling, painless welling, or crythmen of the hands and/or feet and/or discomfort which does not disrupt the patient's normal activities. Grade 2 hand-foot syndrome is painful erythema and swelling of the hands and/or feet and/or discomfort affecting the patient's activities of daily living. Grade 2 hand-foot syndrome is painful erythema and swelling of the hands and/or feet and/or swere discomfort that causes the patient to be unable to work or perform activities of daily living. If grade 2 or 3 hand-foot syndrome occurs, administration of capecitabine should be interrupted until the event resolves or decreases in intensity to grade 1. Following grade 3 hand-foot syndrome, subsequent doses of capecitabine should be decreased. When capecitabine and hands and/or feat or combination, the use of vitamin B6 (pyridoxine) is not advised for symptomatic or secondary prophylactic treatment of hand-foot syndrome, because of published reports that it may be created in combination, the use of vitamin B6 (pyridoxine) is not advised for symptomatic or secondary prophylactic treatment of hand-foot syndrome, because of published reports that it may be created the complex of the comple

2.5 x UN.N. Renal Impairment: The incidence of grade 3 or 4 adverse reactions in patients with moderate renal impairment (creatinine clearance 30-50 mUmin) is increased compared to the overall population. As this medicinal product contains amylydrous lactores as an excipient, patients with rare herefilarly problems of galactose intolerance, the Lapp lactase deficiency, or glucose-galactose malabsorption should not take this medicine.

Drug Interactions Interaction Interaction Interaction With Cline Medicinal Products:
Cournain-derivative Anticoagulants: Altered coagulation parameters and/or bleeding have been reported in patients taking capecitabine concomitantly with cournain-derivative anticoagulants such as warfarin and phenprocouron. These reactions occurred within several days and up to several months after initiating capecitabine therapy and, in a few cases, within 1 month after stopping appecitabine, in a clinical pharmacokinetic interaction study, after a single 20 mg dose of warfarin. Since metabolism of Rwarfarin was not affected, these results indicate that capecitabine down-regulates sozyme 2/9. But has no effect on isozymes 1/2 and 3/4. Patients taking cournant-derivative anticoagulants concomitantly with capecitabine should be monitored regularly for alterations in their coagulation parameters (prothrombin time or INR) and the anti-coagulant dose adjusted accordingly.



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Phenytoin: Increased phenytoin plasma concentrations resulting in symptoms of phenytoin intoxication in single cases have been reported during concomitant use of capecitabine with henytoin Patients taking phenytoin concomitant with capecitabine should be regularly monitored for increased phenytoin plasma concentrations.

Patina: Acid x. Accomination study with capecitabine and folinic acid indicated that folinic acid has no effect on the pharmacodynamics of capecitabine and ist inacidabiles. Honevery folinic acid has no effect on the pharmacodynamics of capecitabine and ist loudity may be enhanced by folinic acid the sin effect on the pharmacodynamics of capecitabine and ist loudity may be enhanced by folinic acid the sin effect on the pharmacodynamics of capecitabine and ist loudity may be enhanced by folinic acid the maximum tolerated dose (MID) of capecitabine and ist loudity may be enhanced by folinic acid the maximum tolerated dose (MID) of capecitabine and solinic solinic enhanced with folinic acid of long orallybid.

Sorivudine and Analogues: A clinically significant drug-drug interaction between sorivudine and 5-FU.

Sorivudine and Analogues: A clinically significant drug-drug interaction between sorivudine, has been described. This interaction, which leads to increased fluoropyrimidine toxicity, is potentially fatal. Therefore, applications and to the administered concomitativity with sorviduride, has been described. This interaction, which leads to increased fluoropyrimidine toxicity, is potentially fatal. Therefore, Alpha. Acid. The effect of an aluminum hydroxide and managesian hydroxide-containing anticiply-related analogues, such as throughne. There must be all least a 4-week waiting period between and of treatment Anticiply the effect of an aluminum hydroxide and managesian hydroxide-containing anticid on the pharmacokinetics of capecitabine was investigated. There was a small increase in plasma concentrations of capecitabine in and 1 metabolities (5-DFCR): there was no effect on the 3 major meta

Fregularity and calculous Women of Childbearing Potential Women of childbearing potential should be advised to avoid becoming pregnant while receiving treatment with capacitabine and if the patient becomes pregnant while receiving capecitabine, the potential hazard to the feetus must be explained.

Pregnancy: Category D
There are no studies in pregnant women using capecitabine: however, it should be assumed that capecitable may cause footal harm if administered to pregnant women. In reproductive toxicity studies in animals, capecitabline administration caused entroplethality and teratogenicity. These frindings are expected effects of fluropryimiding derivatives. Capecitable is contrainciticated during

Breast-Feeding It is not known whether capecitabine is excreted in human breast milk. In lactating mice, considerable amounts of capecitabine and its metabolites were found in milk. Breast-feeding should be discontinued while receiving treatment with capecitabine.

Effects on Ability to Drive and Use Machines Capecitabine has minor or moderate influence on the ability to drive and use machines. Capecitabine may cause dizziness, fatigue, and nausea.

Undesirable Effects

Summary of the Safety Profile
The overall safety profile of capecitabine is based on data from over 3000 patients treated with capecitabine as monotherapy or capecitabine in combination with different chemotherapy regimens in multiple indications. The safety profiles of capecitabine monotherapy for the metastatic breast cancer, metastatic colorectal cancer, and adjuvant colon cancer populations are comparable.

The most commonly reported andired clinically relevant treatment-related ADRs were gastrointestinal disorders (especially diarrhoea, nausea, womiting, abdominal pain, stomatitis), hand-floot syndrome (palmar-plantar erythrodysesthesis), fatigue, astheria, anorexia, cardioloxicity, increased renal dysfunction on those with preexisting compromised renal function, and thrombosis/embolism.

Tabulated Summary of Adverse Reactions
The ADRs considered by the investigator to be possibly, probably, or remotely related to the
administration of capolitatione as a single agent are listed in Table 4 and those with capocitabine given
in combination with different chemotherapy regimens in multiple indications are listed in in Table 5. The following headings are used to rank the ADRs by frequency, very common [2/10], common
[2/1100_c4/170] and uncommon [2/11.000_c4/170]. Within each frequency grouping, ADRs are
presented in order of decreasing particulates.

Capacitabine Monotherapy
Table 4 lists ADRs associated with the use of capacitabine monotherapy based on a pooled analysis of
safety data from a major studies which included over 1900 patients (studies M66001, S014095, and
S014196). The ADRs are added to the appropriate frequency grouping according to the overall
incidence from the pooled analysis.

Table 4: Summary of Related ADRs Reported in Patients Treated With Capecitabine Monotherapy

Body System	Very Common All Grades	Common All Grades	Uncommon Severe and/or Life-threatening (grade 3-4) or Considered Medically Relevant
Infections and infestations	٠	Herpes viral infection, nasopharyngits, lower respiratory tract infection	Sepsis, urinary tract infection, cellalitis, tonsilitis, pharyngitis, oral candidiasis, influenza, gistroenteritis, fungal infection, infection, tooth abscess
Neoplasm benign, malignant and unspecified			Lipoma
Blood and lymphatic system disorders	÷	Neutropenia, anaemia	Febrile neutropenia, pancytopenia, granulocytopenia, thrombocytopenia, leucopenia, hiemobyćic aniemia, International Normalesed Ratio IJRKO increased/prothrombin time prolonged.
mmune system disorders	-	•	hypersensitivity
Metabolism and nutrition disorders	Anorexia	Dehydration, decreased appetite, weight decreased	Diabetes, hypokalemia, appetite disorder, malnutrition, hypertriglyceridemia
Psychiatric disorders		Insomnia, depression	Confusional state, panic attack, depressed mood. Ibido decreased
Nervous system disorders		Headache, lethargy dizziness, paraesthesia dysoeusia	Aphasia, memory impairment, ataxia, syncope, balance disorder, sensory disorder, neuropathy peripheral
Eye disorders		Lacrimation increased, conjunctivitis, eye imitation	Visual acuity reduced, diplopia
Ear and labyrinth disorders		•	Vertigo, ear pain
Cardiac disorders		-	Angina unstable, angina pectoris, myocardal ischaemia, atrial fibrilation, amhythmia, tachycardia, sinus tachycardia, pelotations.
Vascu l ar disorders		Thromboph lebitis	Deep vein thrombosis, hypertension, perechiae, hypotension, hot flush, perinteral coldness.
Respiratory, thoracic, and mediastinal disorders		Dyspnoea, epistaxis, cough, rhinorrhea	Pulmonary embolism, pneumothorax, haemoptysis, asthma, dyspnoea gentiosyl
Gastrointestinal disorders	Diarrhea, Vomiting, Nausea, Stomatitis, Abdominal pain	Gastrointestinal haemornhage, constipation, upper abdominal pain, dyspepsia, flatulence, dry mouth	Intestinal obstruction, ascites, enteritis, gastitis, disphagia, abdominal pain lower, oesophagitis, abdominal discomort, gastrooesophageal reflux disease, colitis, blood in stool.
Hepatobliary disorders	*	Hyperbilirubinemia, liver function test abnormalities	Jaundice
Skin and subcutaneous tissue disorders	Palmar-plantar erythrodysesthesia syndrome	Rash, alopecia, erythema, dry skin, pruritus, skin hyper-pigmentation, rash macular, skin desquamation, dermatitis, pigmentation deorder, nall disorder	Skin ulcer, rash, urticaria, photosersitivity reaction, palmar erythema, swelling face, purpura
Musculaskeletal and connective tissue disorders		Pain in extremity, back pain, arthralgia	Joint swelling, bone pain, facial pain, musculoskeletal stiffness, muscular weakness Hydronephrosis, urinary incontinence,
Renal and urinary disorders	•	-	Hydronephrosis, urinary incontinence, haematuria, nocturia, blood creatinine incressed
Reproductive system and breast disorders		-	Vaginal haemorrhage
General disorders and administration site conditions	Fatigue, Asthenia	Pyresia, lethargy, oedema peripheral, malaise, chest pain	Cedema, chills, influenza like illness, rigors, body temperature increased
Injury, poisoning, and procedural complications			Hister, overdose

Capecitabine in Combination Therapy
Table 5 lists ADRs associated with the use of capecitabine in combination with different chemotherapy
regimens in multiple indications based on safety data from over 3000 patients. The ADRs are added to
the appropriate frequency grouping (sery common or common) according to the highest Incidence
seen in any of the major clinical talks and are only added when they were seen in addition to those seen
with capecitabine monotherapy or seen at a higher frequency grouping compared to capecitabine
monotherapy (see Table 4). Uncommon ADRs reported for capecitabine in combination therapy are
consistent with the ADRs reported for capecitabine monotherapy or reported for monotherapy with
the combination agent.

the combination agent. Some of the ADRs are reactions commonly seen with the combination agent (eg. peripheral sensory neuropathy with docetaxel or oxaliplatin, hypertension seen with bevacizumab): however an exacerbation by capecitabine therapy cannot be excluded.

Table 5: Summary of Related ADRs Reported in Patients Treated With Capecitabine in Combination Treatment in Addition to Those Seen With Capecitabine Monotherapy or Seen at a Higher Frequency Grouping Compared to Capecitabine Monotherapy

West Common

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Body System	Very Common All Grades	Common All Grades	
	All Grades	Herpes zoster, urinary tract	
		infection, oral candidiasis, upper	
Infections and infestations	-	respiratory tract infection, rhinitis,	
		influenza, +infection, oral herpes	
Blood and lymphatic system	+Neutropenia, +leucopenia,	Bone marrow depression, 'febrile	
disorders	+anemia, +neutropenic fever,	neutropenia	
	thrombocytopenia	,	
Immune system disorders	-	Hypersensitivity	
Metabolism and nutrition		Hypokalemia, hyponatremia.	
disorders and nutrition	Appetite decreased	hypomagnesemia, hypocalcemia,	
		hyperglycemia	
Psychiatric disorders	-	Sleep disorder, anxiety	
	Taste disturbance, paraesthesia	Neurotoxicity, tremor, neuralgia,	
Nervous system disorders	and dysaesthesia, peripheral	hypersensitivity reaction.	
	neuropathy, peripheral sensory	hypoaesthesia	
	neuropathy, dysgeusia, headache	· · · · · · · · · · · · · · · · · · ·	
Eve disorders	Lacrimation increased	Visual disorders, dry eye, eye pain,	
*		visual impairment, vision blurred	
Ear and labyrinth disorders	-	Tinnitus, hypoacusis	
Cardiac disorders	_	Atrial fibrillation, Cardiac	
		ischemia/infarction	
Vascular disorders	Lower limb oedema, hypertension,	Flushing, hypotension,	
	+embolism and thrombosis	hypertensive crisis, hot flush,	
Respiratory, thoracic and		phlebitis Hiccups, pharvngolarvngeal pain,	
mediastinal system disorders	Sore throat, dysaesthesia pharynx	dvsphonia	
mediastinai system disorders		Upper gastrointestinal	
		haemorrhage, mouth ulceration.	
		gastritis, abdominal distension.	
	Constipation, dyspepsia	gastros, abdornina distersion, gastroesophageal reflux disease.	
Gastrointestinal disorders	consuperon, ayapapaa	oral pain, dysphagia, rectal	
		haemorrhage, abdominal pain	
		lower, oral dysaesthesia.	
		paraesthesia oral, hypoaesthesia	
		oral, abdominal discomfort	
Hepatobiliary disorders	-	Hepatic function abnormal	
Skin and subcutaneous tissue	Alopecia, nail disorder	Hyperhidrosis, rash erythematous,	
disorders		urticaria, night sweats	
Musculoskeletal and connective	Myalgia, arthralgia, pain in	Pain in jaw , muscle spasms,	
tissue disorders	extremity	trismus, muscular weakness	
Renal and urinary disorder		Haematuria, proteinuria,	
menor and unitary disorder	-	creatinine renal clearance	
		decreased, dysuria	
		Mucosal inflammation, pain in	
General disorders and	Pyrexia, weakness, +lethargy, temperature intolerance	limb, pain, chills, chest pain,	
administration site conditions		influenza-like illness, +fever,	
	perotore intoreroffee	infusion related reaction, injection	
		site reaction, infusion site pain,	
	1	injection site pain	
Injury, poisoning and procedural	_	Contusion	
complications	1		

+ for each term, the frequency count was based on ADRs of all grades. For terms marked with a "+", the frequency count was based on grade 3 to 4 ADRs. ADRs are added according to the highest incidence seen in any of the major combination trials.

Post-Marketing Experience
The following additional serious adverse reactions have been identified during post-marketing exposure. Very rate: ledrified duct stenosis hepatic failure, and cholestatic hepatitis have been reported during post-marketing exposure smillar to those in clinical trials: ventricular fibrillation, OT profongation, formade de pointes, and bradycardia.

Overcrose.

The manifestations of acute overdose include nausea, vomiting, diarrhoea, mucositis, gastrointestinal irritation, bleeding, and bone marrow depression. Medical management of overdose should include customary therapeutic and supportive medical interventions aimed at correcting the presenting clinical manifestations and preventing their possible complications.

Storage and Precautions Store at a temperature not exceeding 30 $^{\circ}$ C. Keep out of reach of children.

Special Precautions for Disposal and Other Handling

Nature and Contents of Container Blister of 10 film-coated tablets.

For further details, please contact:

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MANUFACTURED BY Naprod Life Sciences Pvt Ltd G-17/1, M.I.D.C., Boisar, Dist-Thane-401506 (INDIA).

MARKETED BY

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To report adverse events and/or product complaints visit our website www.biocon.com or call toll free number: $1800\,102\,9465$ or e-mail us at drugsafety@biocon.com.