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RPOVIO PI APAC-Hong Kong

XPOVIO PI APAC-Hong Kong

Maintain XPOVIO and institute supportive care

Reduce XPOVIO by 1 dose level (see Table 1)

Interrupt XPOVIO and institute supportive care Monitor until diarrhoea resolves to Grade 2 or

Interrupt XPOVIO and institute supportive care.

Monitor until weight returns to more than 90%

Restart XPOVIO at 1 dose level lower

Perform ophthalmologic evaluation

Permanently discontinue XPOVIO

Perform ophthalmologic evaluation.

Interrupt XPOVIO

(see Table 1).

National Cancer Institute Common Terminology Criteria for Adverse Events (NCI CTCAE) version 4.03.

No dose adjustment of XPOVIO is required for patients over 65 years of age (see sections 4.8, 5.1

No dose adjustment of XPOVIO is required for patients with mild, moderate, or severe renal impairment (see section 5.2). There are no data in patients with end-stage renal disease or haemodialysis to support

No dose adjustment of XPOVIO is required for patients with mild hepatic impairment (see section 5.2). There are insufficient data in patients with moderate or severe hepatic impairment to support a dose

The safety and efficacy of XPOVIO in children below the age of 18 years of age have not been

There is no relevant use of XPOVIO in children less than 18 years of age in the treatment of multiple

XPOVIO in combination with dexamethasone (Xd) should be taken at approximately the same time on

 $\label{prop:eq:hypersensitivity} \ \text{to the active substance or to any of the excipients listed in section 6.1.}$

For medicinal products administered in combination with XPOVIO, the Summary of Product

Characteristics (SmPC) of these medicinal products must be consulted prior to initiation of treatment

 $Prophylactic \ concomitant \ treatment \ with \ a \ 5\text{-HT3} \ antagonist \ and/or \ other \ anti-nausea \ agents \ should \ be$

Patients should have their complete blood counts (CBC) assessed at baseline, during treatment, and as

Thrombocytopenic events (thrombocytopenia and platelet count decreased) were frequently reported in patients receiving XPOVIO which can be severe (Grade 3/4). Grade 3/4 thrombocytopenia can sometime lead to clinically significant bleeding and in rare cases may lead to potentially fatal haemorrhage (see

Thrombocytopenia can be managed with dose interruptions, modifications, platelet transfusions, and/or other treatments as clinically indicated. Patients should be monitored for signs and symptoms of bleeding

and evaluated promptly. For dose modification guidelines refer to Table 1 and Table 2 in section 4.2.

Neutropenia including severe neutropenia (Grade 3/4) has been reported with XPOVIO. In a few cases concurrent infections occurred in patients with Grade 3/4 neutropenia (see section 4.8).

Patients with neutropenia should be monitored for signs of infection and evaluated promptly. Neutropenia

can be managed with dose interruptions, modifications, and colony-stimulating factors as per medical guidelines. For dose modification guidelines refer to Table 1 and Table 2 in section 4.2.

Nausea, vomiting, diarrhoea, which sometimes can be severe and require the use of anti-emetic and

Prophylaxis with 5HT3 antagonists and/or other anti-nausea agents should be provided prior to and นาก อาการ อาการ

including for special warnings and precaution for use and recommended concomitant treatments.

Recommended concomitant treatments
Patients should be advised to maintain adequate fluid and caloric intake throughout treatment.
Intravenous hydration should be considered for patients at risk of dehydration.

Special warnings and precautions for use

provided prior to and during treatment with XPOVIO (see section 4.8).

clinically indicated. Monitor more frequently during the first two months of treatment

established. No data are available (see section 5.1 and 5.2).

Interrupt XPOVIO and provide supportive care

Monitor until ocular symptoms resolve to Grade

Restart XPOVIO at 1 dose level lower (see

Monitor until resolved to Grade 2 or lower.
 Restart XPOVIO at 1 dose level lower

Restart XPOVIO at 1 dose level lower

XPOVIO Tablets 20mg

QUALITATIVE AND QUANTITATIVE COMPOSITION

Each film-coated tablet contains 20mg of selinexor

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Blue, round, bi-convex, film-coated tablet (4 mm thick and 7 mm in diameter) with "K20" debossed on

Adverse reaction^a

Grade 2 (increase of

Grade 3 or highe

stools or more per

Veight loss and anorexi

Weight loss of 10%

to less than 20%

associated with

weight loss or

Cular adverse reactions

Grade 2, excluding

Grade ≥ 3 , excluding

Grade 3 or 4 (life

Special populations

Method of administration

Days 1 and 3 of each week.

day over baseline

hospitalization indicated)

4 to 6 stools per day

Occurrence Action

CLINICAL PARTICULARS

XPOVIO is indicated:

in combination with dexamethasone for the treatment of multiple myeloma in adult patients who have received at least four prior therapies and whose disease is refractory to at least two proteasome inhibitors, two immunomodulatory agents and an anti-CD38 monoclonal antibody, and who have demonstrated disease progression on the last therapy.

 $\label{thm:continuous} \mbox{Treatment must be initiated and monitored under supervision of physicians experienced in the} \\$

XPOVIO in combination with dexamethasone (Xd)

ended XPOVIO and dexamethasone starting doses are as follows

XPOVIO 80 mg taken orally on Days 1 and 3 of each week

Dexamethasone 20 mg taken orally on Days 1 and 3 of each week with XPOVIO.

Treatment with XPOVIO combined with dexamethasone should be continued until disease progression or

For information regarding the posology of medicinal products administered with XPOVIO, refer to the Summary of Product Characteristics (SmPC) for these medicinal products

<u>Delayed or missed doses</u>
If a XPOVIO dose is missed or delayed or a patient vomits after a dose of XPOVIO, the patient should not

commended XPOVIO dose modifications for adverse reactions are presented in Table 1 and Table 2. For information regarding dosage modification of medicinal products administered with XPOVIO, refer to

Table 1: Prespecified dose modification steps for adverse reactions

	XPOVIO IN COMBINATION WITH DEXAMETHASONE (XQ)
Recommended starting dose	80 mg Days 1 and 3 of each week (160 mg total per week)
First reduction	100 mg once weekly
Second reduction	80 mg once weekly
Third reduction	60 mg once weekly
	Discontinue*

Third reduction	60 n	60 mg once weekly	
		Discontinue*	
If symptoms do not resolv	ve, treatment shou	ıld be discontinued	
able 2: Dose modificatio	n guidelines for	adverse reactions	
Adverse reaction ^a	Occurrence	Action	
	Haemato	ologic adverse reactions	
Thrombocytopenia			
Platelet count 25,000 to less than 75,000/mcL	Any	Reduce XPOVIO by 1 dose level (see Table 1).	
Platelet count 25,000 to less than 75,000/mcL with concurrent bleeding	Any	Interrupt XPOVIO. Restart XPOVIO at 1 dose level lower (see Table 1), after bleeding has resolved.	
Platelet count less than 25,000/mcL	Any	Interrupt XPOVIO. Monitor until platelet count returns to at least 50,000/mcL.	

tnan 25,000/mcL		Monitor until platelet count returns to at least 50,000/mcL. Restart XPOVIO at 1 dose level lower (see Table 1).
Neutropenia		
Absolute neutrophil count of 0.5 to 1.0 x 109/L without fever	Any	Reduce XPOVIO by 1 dose level (see Table 1).
Absolute neutrophil count less than 0.5 x 10°/L OR Febrile neutropenia	Any	Interrupt XPOVIO. Monitor until neutrophil counts return to 1.0 x 10°/L or higher. Restart XPOVIO at 1 dose level lower (see Table 1).
Anaemia		
Haemoglobin less than 8.0 g/dL	Any	Reduce XPOVIO by 1 dose level (see Table 1). Administer blood transfusions and/or other treatments per clinical guidelines.
Life-threatening	Any	Interrupt XPOVIO

		treatments per clinical guidelines.
Life-threatening consequences (urgent intervention indicated)	Any	Interrupt XPOVIO Monitor haemoglobin until levels return to 8 g/dL or higher. Restart XPOVIO at 1 dose level lower (see Table 1). Administer blood transfusions and/or other treatments per clinical guidelines.
	Non-haemato	ologic adverse reactions
Hyponatraemia		
Sodium level 130 mmol/L or less	Any	Interrupt XPOVIO and provide appropriate supportive care. Monitor until sodium levels return to 130 mmol/L or higher. Restart XPOVIO at 1 dose level lower (see Table 1).

		Restart XPOVIO at 1 dose level lower (see Table 1).	Nausea/vomiting can be managed by dose interruptions, modifications, and/or initiation of other antiemetics medicinal products as clinically indicated. Diarrhoea can be managed with dose
Fatigue			interruptions, modifications and/or administration of anti-diarrhoea medicinal products. For dose modification quidelines refer to Table 1 and Table 2 in section 4.2.
Grade 2 lasting greater than 7 days OR Grade 3	Any	Interrupt XPOVIO. Monitor until fatigue resolves to Grade 1 or baseline. Restart XPOVIO at 1 dose level lower (see Table 1).	Weight loss and anorexia XPOVIO can cause weight loss and anorexia. Patients should have their body weight, nutritional status and volume checked at baseline, during treatment, and as clinically indicated. Monitoring should be more frequent during the first two months of treatment. Patients experiencing new or worsening decreased
Nausea and vomiting			appetite and weight may require dose modification, appetite stimulants, and nutritional consultations. For dose modification guidelines refer to Table 1 and Table 2 in section 4.2.
Grade 1 or 2 nausea (oral intake decreased without significant weight loss, dehydration or malnutrition) OR	Any	 Maintain XPOVIO and initiate additional anti- nausea medicinal products. 	Confusional state and dizziness XPOVIO can cause confusional state and dizziness. Patients should be instructed to avoid situations where dizziness or confusional state may be a problem and to not take other medicinal products that may cause dizziness or confusional state without adequate medical advice. Patients should be advised not to drive or operate heavy machinery until symptoms resolve (see section 4.7).
Grade 1 or 2 vomiting (5 or			Hyponatraemia XPOVIO can cause hyponatraemia. Patients should have their sodium levels checked at baseline, during

Grade 3 nause

caloric or fluid intake

Grade 3 or highe

episodes per day)

vomiting (6 or

	XPOVIO can cause hyponatraemia. Patients should have their sodium levels checked at baseline, during treatment, and as clinically indicated. Monitoring should be more frequent during the first two months of treatment. Correct sodium levels for concurrent hyperglycaemia (serum glucose >150 mg/dL) and high serum paraprotein levels. Hyponatraemia should be treated as per medical quidelines (intravenous
Interrupt XPOVIO Monitor until nausea or vomiting has resolved	sodium chloride solution and/or salt tablets), including dietary review.
to Grade 2 or lower or baseline. Initiate additional anti-nausea medicinal products.	Patients may require XPOVIO dose interruption and/or modification. For dose modification guidelines refer to Table 1 and Table 2 in section 4.2.
Restart XPOVIO at 1 dose level lower	Cataract

Gastrointestinal toxicity

anti-diarrhoeal medicinal products (see section 4.8).

XPOVIO can cause new onset or exacerbation of cataract (see section 4.8), Ophthalmologic evaluation may be performed as clinically indicated. Cataract should be treated as per medical guidelines, including

Tumour lysis syndrome (TLS) has been reported in patients receiving therapy with XPOVIO. Patients

at a high risk for TLS should be monitored closely. Treat TLS promptly in accordance with institutional $\,$

intercourse while being treated with XPOVIO and for at least 1 week following the last dose of XPOVIO

Women of childbearing potential/contraception in males and females Women of childbearing potential should be advised to avoid becoming pregnant or abstain from sexual

omen of childbearing potential and male patients of reproductive potential should be advised to use effective contraceptive measures or abstain from sexual activity to prevent pregnancy during treatment with XPOVIO and for at least 1 week following the last dose of XPOVIO (see section 4.6).

This medicinal product contains less than 1 mmol sodium (23 mg) per 20 mg tablet, that is to say essentially

Interaction with other medicinal products and other forms of interaction

No dedicated clinical drug interaction studies have been conducted.

Concomitant use of strong CYP3A4 inducer might lead to lower exposure of XPOVIO. No clinically significant differences in XPOVIO pharmacokinetics were observed when co-administered

with up to 1000 mg daily dose of paracetamol.

Fertility, pregnancy and lactation

Women of childbearing potential/Contraception in males and females Women of childbearing potential should be advised to avoid becoming pregnant or abstain from sexual intercourse while being treated with XPOVIO and for at least 1 week following the last dose of XPOVIO. A

pregnancy test is recommended for women of childbearing potential prior to initiating XPOVIO treatmen Women of childbearing potential and male patients of reproductive potential should be advised to use effective contraceptive measures or abstain from sexual activity to prevent pregnancy during treatment with XPOVIO and for at least 1 week following the last dose of XPOVIO.

There are no data from the use of XPOVIO in pregnant women. Studies in animals have shown XPOVIO can cause foetal harm (see section 5.3). XPOVIO is not recommended during pregnancy and in women of

childbearing potential not using contraception. If the patient becomes pregnant while taking XPOVIO, XPOVIO should be immediately discontinued, and

the patient should be apprised of the potential hazard to the foetus.

It is unknown whether XPOVIO or its metabolites are excreted in human milk. A risk to breast-fed children cannot be excluded. Breast-feeding should be discontinued during treatment with XPOVIO and for 1 week

Based on findings in animals, XPOVIO may impair fertility in females and males (see section 5.3).

Effects on ability to drive and use machines

XPOVIO may have major influence on the ability to drive and use machines. XPOVIO can cause fatigue, confusional state and dizziness. Patients should be instructed to avoid situations where dizziness or confusional state may be a problem and to not take other medicinal products that may cause dizziness or confusional state without adequate medical advice. Patients should be advised not to drive or operate machines if they experience any of these symptoms.

4.8 Undesirable effects

System organ class/

Vascular disorders

Respiratory, thoracic

Summary of the safety profile The safety of XPOVIO in combination with dexamethasone has been evaluated in 214 patients with

multiple myeloma, including 83 patients with penta-refractory disease. The most frequent adverse reactions (≥30%) were nausea (75%), thrombocytopenia (75%), fatigue (66%), anaemia (60%), decreased appetite (56%), decreased weight (49%), diarrhoea (47%), vomiting (43%), hyponatraemia (40%), neutropenia (36%) and leukopenia (30%)

The most commonly reported serious adverse reactions (≥3%) were pneumonia (7.5%), sepsis (6.1%) thrombocytopenia (4.7%), acute kidney injury (3.7%), and anaemia (3.3%

Tabulated list of adverse reactions

Adverse reactions reported in clinical trials with XPOVIO in combination with dexamethasone (Xd) are The tablet should be swallowed whole with water. It should not be crushed, chewed, broken, or divided in order to prevent risk of skin irritation from the active substance. It can be taken with or without food.

> These reactions are presented by system organ class (SOC) and by frequency. Frequency categories are defined as: very common (\geq 1/10); common (\geq 1/100 to <1/10); uncommon (\geq 1/1,000 to <1/100); rare (\geq 1/10,000 to <1/1,000); very rare (<1/10,000), not known (cannot be estimated from the available data). Within each frequency grouping, adverse reactions are presented in order of decreasing

> > All ADRs/frequency

Table 3 Adverse drug reactions (ADRs) observed in patients treated with XPOVIO in combination with dexamethasone (Xd)

Grade 3-4 ADRs/frequency

Infections and infestations	Very common Pneumonia, upper respiratory tract infection Common Sepsis, bacteraemia	Common Pneumonia, sepsis, bacteraemia Uncommon Upper respiratory tract infection Very appropriate Threshold traces in
Blood and lymphatic system disorders	Very common Thrombocytopenia, anaemia, neutropenia, leukopenia, lymphopenia Common Febrile neutropenia	Very common Thrombocytopenia, anaemia, neutropenia, leukopenia, lymphopenia Common Febrile neutropenia
Metabolism and nutrition disorders	Very common Hyponatraemia, dehydration, decreased appetite, hyperglycaemia, hypokalaemia Common Hypocalcaemia, hypophosphataemia, hyporkalaemia, hypormagnesaemia, hyperamylasaemia, hyperuricaemia, hyperlipasaemia Uncommon Tumour lysis syndrome	Very common Hyponatraemia Common Dehydration, decreased appetite, hypokalaemia, hyperglycaemia, hypocalcaemia, hyperkalaemia, hyperamylasaemia, hypophosphataemia hyperuricaemia, hyperlipasaemia Uncommon Tumour lysis syndrome
Psychiatric disorders	Very common Confusional state, insomnia Common Delirium, hallucination	Common Confusional state, insomnia Uncommon Delirium, hallucination
Nervous system disorders	Very common Dizziness, dysgeusia, headache Common Peripheral neuropathy, syncope, ageusia, taste disorder, balance disorder, cognitive disorder, disturbance in attention, memory impairment Uncommon Encephalopathy	Common Syncope, cognitive disorder Uncommon Peripheral neuropathy, encephalopathy
Eye disorders	Very common Vision blurred Common	Common Cataract Uncommon
Cardiac disorders	Cataract, visual impairment Common Tachycardia	Vision blurred, visual impairment None

Dyspnoea

yspnoea, epistaxis, cough

Package leaflet: Information for the patient

XPOVIO Tablets 20mg selinexor

Read all of this leaflet carefully before you start taking this medicine because it contains important information for you

If you have any further questions, ask your doctor or pharmacist This medicine has been prescribed for you only. Do not pass it on to others. It may harm them, even if their signs of illness are the same as yours. If you get any side effects, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. See section 4.

What XPOVIO is and what it is used for What you need to know before you take XPOVIO

How to take XPOVIO

How to store XPOVIC

Contents of the pack and other information What XPOVIO is and what it is used for

XPOVIO contains the active substance selinexor. XPOVIO is a cancer medicine known as an XPO1 inhibitor. It blocks the action of a substance called XPO1 that transports proteins from the cell nucleus into the cell cytoplasm. Some cell proteins must be in the nucleus in order to function properly.

By blocking XP01 function, XP0VIO prevents the exit of certain proteins out of the nucleus, and interfering with the continued growth of cancer cells, and leading to the death of cancer cells

What XPOVIO is used for

XPOVIO is used to treat adult patients with multiple myeloma that has come back after treatment. XPOVIO is used

together with dexamethasone in patients who have received at least four previous types of myeloma treatment and whose disease cannot be controlled with prior medicines used to

Multiple myeloma is a cancer which affects a type of blood cell called the plasma cell. A plasma cell normally produces proteins to fight infections. People with multiple myeloma have cancerous plasma cells, also called myeloma cells, which can damage bones and kidneys and increase the risk of infection. Treatment with XPOVIO kills myeloma cells and reduces symptoms of the disease.

Do not take XPOVIO

If you are allergic to selinexor or any of the other ingredients of this medicine (listed in section 6).

Talk to your doctor or pharmacist before taking XPOVIO and during treatment if you: · have or have had bleeding problem

• have had a recent infection or get an infection.

have nausea, vomiting or diarrhoe

 have confusion and dizziness. · have a decrease in your blood sodium levels (hyponatraemia)

 have a new onset or worsening cataract Your doctor will examine you and you will be monitored closely during treatment. Before starting XPOVIO and during treatment, you will have blood tests to check that you have enough blood cells.

XPOVIO should not be given to children and adolescents under 18 years.

Other medicines and XPOVIO

Tell your doctor or pharmacist if you are taking, have recently taken or might take any other medicines

A pregnancy test is recommended before XPOVIO treatment for women able to have children. Do not use XPOVIO during pregnancy as it can harm the unborn child. Women who become pregnant while taking XPOVIO must immediately stop treatment and inform the doctor.

Do not breast-feed during treatment with XPOVIO or 1 week after the last dose, as it is unknown whether XPOVIO or its metabolites are excreted in human milk and cause harm to the breast-fed children

XPOVIO may impair fertility in females and males

Contraception Women who can become pregnant must use effective contraception during treatment and for at least 1 week after the last dose.

Men are recommended to use effective contraceptive measures or avoid sexual intercourse with women able to have children during treatment and for at least 1 week after the last dose

XPOVIO can cause fatigue, confusion and dizziness. Do not drive or use machines if you get such a reaction while being treated with this medicine

This medicine contains less than 1 mmol sodium (23 mg) per 20 mg tablet, that is to say essentially 'sodium-free'

Always take this medicine exactly as your doctor or pharmacist has told you. Check with your doctor or pharmacist if you are not sure

hen used with dexamethasone: 80 mg (4 tablets) once daily, on days 1 and 3 of each week, or as directed by your doctor. r doctor may alter your dose if side effects occur

important to take this medicine exactly as your doctor has told you to avoid dosing errors.

allow XPOVIO tablets whole with a glassful of water, either with food or between meals. Do not chew, crush, divide or break the tablets in order to prevent risk of skin irritation from the active substance

r doctor will let you know the duration of treatment based on how you are responding to treatment and side effects.

ou take more XPOVIO than you should vour doctor or go to the nearest hospital emergency room right away. Take your box of XPOVIO tablets with you.

not take a double dose to make up for a forgotten dose. Also, do not take an extra dose if you yomit after taking XPOVIO. Take your next dose when scheduled.

iot stop taking or change your dose of XPOVIO without your doctor's approval. However, if you become pregnant while taking XPOVIO, you must immediately stop treatment and inform your doctor.

ou have any further questions on the use of this medicine, ask your doctor or pharmacist.

Possible side effects

e all medicines, this medicine can cause side effects, although not everybody gets them.

OVIO may cause the following serious side effects: v common (may affect more than 1 in 10 people)

Your doctor will carry out blood tests before you start taking XPOVIO, and as needed during and after treatment. These tests will be more frequent during the first two months of treatment to monitor your blood platelet counts. Your doctor may stop treatment or adjust the dose based on your platelet counts. Tell your doctor immediately if you have signs of reduced number of blood platelets such as: easy or excessive bruising

skin changes that appear as a rash of pinpoint-sized reddish-purple spots

bleeding from your gums or nose blood in your urine or stools

reduced number of red and white blood cells, including neutrophils and lymphocytes.

Your doctor will carry out blood tests to monitor your red and white blood cell counts before you start taking XPOVIO and as needed during and after treatment. These tests will be more frequent during the irst two months of treatment. Your doctor may stop treatment or adjust the dose based on your blood cell counts or may treat you with other medicines to increase cell counts. Tell your doctor imme if you have signs of reduced neutrophils such as a fever.

Inform your doctor if you experience new or worsening fatigue. Your doctor may adjust the dose in case of persistent or worsening fatigue.

nausea, vomiting, diarrhoea Inform your doctor immediately if you develop nausea, vomiting or diarrhoea. Your doctor may adjust the dose or stop treatment based on the severity of your symptoms. In addition, your doctor may prescribe you medicines to take before or during XPOVIO treatment to prevent and treat nausea and/or vomiting and/or diarrhoea.

Your doctor will weigh you before you start taking XPOVIO and as needed during and after treatment. This will be more frequent during the first two months of treatment. Tell your doctor if you lose your appetite and if you lose weight. Your doctor may adjust the dose in case of reduced appetite and weight and/or prescribe medicines to increase your appetite. Maintain adequate fluid and caloric intake

reduced sodium level Your doctor will carry out blood tests to check your sodium level before you start taking XPOVIO, and as necessary during and after treatment. These tests will be more frequent during the first two months of treatment. Your doctor may adjust the dose and/or prescribe salt tablets or fluids based on your sodium level. confusional state and dizziness

Inform your doctor if you experience confusion. Avoid situations where dizziness or confusional state may be a problem and do not take other medications that may cause dizziness or confusional state without talking to your doctor. Do not drive or operate machines if you experience any confusion or dizziness until it resolves. Your doctor may adjust the dose to reduce these symptoms. Inform your doctor if you experience symptoms of cataract such as double vision, sensitivity to light or glare. If you notice changes with your vision, your doctor may request an eye examination by an eye

specialist (an ophthalmologist) and you may need eye surgery to remove the cataract and restore your vision Tell your doctor or nurse immediately if you notice any of the other following side effects as listed below.

Other possible side effects are:

Very common (may affect more than 1 in 10 people):

- Upper respiratory tract infection
- Viral infection of the nose and throat (Nasopharyngitis) . Damage to nerves in the hands and feet that can cause tingling and numbness (peripheral neuropathy)
- Bleeding from nose Headache
- Dehydration Increased blood sugar level
- · Decreased potassium leve
- Loss of sleep (insomnia) Impaired sense of taste
- Blurred vision
- Shortness of breath
- Cough
- Abdominal pain Constipation Loss of energy

Common (may affect more than 1 in 100 people)

- · Bacterial infection in the blood • The body normally releases chemicals into the blood stream to fight an infection, when the body's response to these chemicals is out of balance, triggering changes that can damage multiple organ
- · Reduced number of neutrophils with fever
- · Increase potassium level · Decreased calcium leve
- Decreased magnesium level
- Mental confusion (hallucination)
- Increased amylase and lipase level · Increased uric acid level
- Confusing thinking (delirium)
- Fainting (syncope) . Increase in heart rate (tachycardia
- Loss of taste · Taste disorder
- Balance disorder
- Cognitive disorder
 Disturbance in attention Memory impairment
- · Low blood pressure (hypotension
- Spinning sensation (vertigo) · Indigestion, dry mouth, abdominal discomfort
- Skin itchiness · Muscle spasm
- Kidney problems General physical health deterioration gait disturbance malaise chills
- Increased levels of liver enzymes (alanine aminotransferase, aspartate amino transferase, and alkaline phosphatase)
 Fall
- Memory impairment including amnesia
- · Increase in muscle enzyme called creatine
- Loss of hair Night sweats including excessive sweating
- Lower respiratory tract infection

Uncommon (may affect up to 1 in 100 people):

rapid break down of tumour cells that could be potentially life-threatening and cause the symptoms as muscle cramping, muscle weakness, confusion, visual loss or disturbances and shortness of breath (tumour lysis syndrome)

inflammation of brain that could cause confusion, headache, seizures (encephalopathy)

Reporting of side effects

If you get any side effects, talk to your doctor or pharmacist or nurse. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via local reporting mechanism. By reporting side effects, you can help provide more information on the safety of this medicine

Keep this medicine out of the sight and reach of children.

Do not use this medicine after the expiry date which is stated on the blister pack and the outer carton after "EXP:" The expiry date refers to the last day of that month.

This medicine should be stored at or below 30°C Do not use this medicine if you notice any damage or signs of tampering.

Do not throw away any medicines via wastewater or household waste. Ask your pharmacist how to throw away medicines you no longer use. These measures will help protect the environment.

Contents of the pack and other information

What XPOVIO contains

The active substance is selinexor. Each film-coated tablet contains 20 mg selinexor.

The other ingredients are microcrystalline cellulose, croscarmellose sodium, povidone K30, sodium lauryl sulphate, colloidal silicon dioxide, magnesium stearate. For the tablet coating the ingredients are talc, poly(vinyl alcohol) partially hydrolysed, glyceryl monostearate, polysorbate 80, titanium dioxide, macrogol, indigo carmine aluminium lake and brilliant blue FCF aluminium lake. See section 2 "XPOVIO contains

What XPOVIO looks like and contents of the pack

XPOVIO tablets are blue, round, with "K20" debossed on one side.

Each carton contains four blisters with 3, 4, 5, 6 or 8 tablets, providing a total of 12, 16, 20, 24 or 32 tablets.

This leaflet was last revised on 18 April 2023.

System organ class/ preferred term	All ADRs/frequency	Grade 3-4 ADRs/frequency
Gastrointestinal disorders	Very common Nausea, diarrhoea, vomiting, abdominal pain, constipation Common Dyspepsia, dry mouth, abdominal discomfort, flatulence	Common Nausea, diarrhoea, vomiting, constipation Uncommon Abdominal pain
Skin and subcutaneous tissue disorders	Common Alopecia, night sweats, pruritus	None
Musculoskeletal and connective tissue disorders	Common Muscle spasms, hypercreatinaemia	Uncommon Muscle spasms, hypercreatinaemia
Renal and urinary disorders	Common Acute kidney injury	Common Acute kidney injury
General disorders and administration site conditions	Very common Fatigue, pyrexia, asthenia Common General physical health deterioration, malaise, gait disturbance, chills	Very common Fatigue Common Asthenia, general physical health deterioration, pain Uncommon Pyrexia
Investigations	Very common Weight decreased Common Asparlate aminotransferase increased, alanine aminotransferase increased, blood alkaline phosphatase increased	Common Alanine aminotransferase increased Uncommon Weight decreased; aspartate aminotransferase increased
Injury, poisoning and procedural complications	Common Fall	Common Fall

Description of selected adverse reactions

Infection was the most common non-haematological toxicity.

In patients who received Xd, infections were reported in 53% of patients. Of these, 22% were Grade 3 or 4. Upper respiratory tract infection and pneumonia were the most accommonly reported infections (in 15% and 13% of patients, respectively) with 25% of reported infections being serious and fatal infections occurring in 3% of treated patients. Infection led to dose discontinuation in 7% of patients, treatment nterruption in 19% patients, and a dose reduction in 1% of patients.

In patients who received Xd, thrombocytopenia occurred in 75% of patients and 65% of these ADRs were Grade 3 or 4. Thrombocytopenia was serious in 5% of patients. Of the 65% patients with Grade 3 or 4 thrombocytopenia, serious/Grade 3 or higher concurrent bleeding events (concurrency defined as ±5 days) were reported in 5% of patients. Thrombocytopenia led to dose discontinuation in 3% of patients, treatment interruption in 22% of patients, and a dose reduction in 32% of patients.

Thrombocytopenia can be managed with dose modifications (see section 4.2), supportive care and platelet transfusions. Patients should be monitored for signs and symptoms of bleeding and evaluated promptly (see section 4.4).

In patients who received Xd. neutropenia occurred in 36% of patients and 25% of these were Grade 3 or 4. Neutropenia was serious in 1% of patients. None of the patients had a dose discontinuation due to neutropenia, and neutropenia led to treatment interruption in 2% of patients, and a dose reduction in 6% of patients.

Febrile neutropenia occurred in 3% of patients who received Xd; all were Grade 3 or 4. Febrile neutropenia was reported to be serious in 2% of patients and led to a dose discontinuation, treatmen interruption, or a dose reduction in less than 1% of patients (each). Of the 53 patients with Grade 3 or higher neutropenia, serious/Grade 3 or higher concurrent infections (concurrency defined as ± 5 days) were reported in 6 (11%) patients. Most commonly reported Grade 3 or higher concurrent infection included urinary tract infection (3 patients), and sepsis (2 patients

In patients who received Xd, anaemia occurred in 61% of patients and 44% of these were Grade 3 or 4. Anaemia was serious in 3% of patients. Anaemia led to dose discontinuation in <1% of patients, reatment interruption in 4% of patients, and a dose reduction in 1% of patients.

Anaemia can be managed with dose modifications (see section 4.2) and with blood transfusions and/or erythropoietin administration as per medical guidelines. For dose modification guidelines refer to Table 2

Gastrointestinal toxicity

In patients who received Xd, nausea/vomiting occurred in 79% of patients and 10% of these were Grade 3 or 4 and was serious in 3% of patients. When anti-nausea treatment was administered, the median duration of nausea or vomiting improved by 3 days. Nausea/vomiting led to dose discontinuation in 5% of patients, treatment interruption in 8% of patients, and a dose reduction in 5% of patients.

Diarrhoea occurred in 47% of patients who received Xd and 7% were Grade 3 or 4 and diarrhoea was serious in 2% of patients. Diarrhoea led to dose discontinuation in 1% of patients, treatment interruption in 2% of patients, and a dose reduction in 1% of patients.

n patients who received Xd, hyponatraemia occurred in 40% of patients and 24% were Grade 3 or 4. Hyponatraemia was serious in 3% of patients. Most cases of hyponatraemia were not associated with any symptoms. There were no reports of concurrent seizures. Hyponatraemia did not lead to any dose discontinuation, and it led to treatment interruption in 6% of patients, and a dose reduction in 1% of

Tumour lysis syndrome (TLS) occurred in one (<1%) patient (who received Xd) which was considered Grade 3 and serious. Patients at a high risk for TLS should be monitored closely. Treat TLS promptly in accordance with institutional guidelines (see section 4.4).

Among patients with multiple myeloma who received Xd, 47% were 65 years of age and over, while 11% were 75 years of age and over. When comparing patients 75 years of age and older to younger patients, ncidence of serious adverse reactions (74% vs 59%), and higher incidence of fatal adverse reactions

Reporting of suspected adverse reactions

Reporting of suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via local reporting mechanism.

(22% vs 8%).

In general, overdoses have been associated with similar side effects to those reported for standard dosing and have generally been reversible within 1 week

Potential acute symptoms include nausea, vomiting, diarrhoea, dehydration and confusion. Potential signs include low sodium levels, elevated liver enzymes, and low blood counts. Patients should be monitored closely and provided supportive care as appropriate. No fatalities due to overdose have been reported

Management In the event of an overdose, monitor the patient for any adverse reactions and appropriate symptomatic

treatment should be provided immediately PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Antineoplastic agents, other antineoplastic agents, ATC code: L01XX66

(POVIO is a reversible covalent selective inhibitor of nuclear export (SINE) compound that specifically blocks exportin 1 (XP01). XP01 is the major mediator of the nuclear export of many cargo proteins blocks expolar in (x 0). X of x is the ingloi including tunicate export or interpretable for including tumour suppressor proteins (ISPs), growth regulators and mRNAs of growth promoting (oncogenic) proteins. XP01 inhibition by XP0VIO leads to marked accumulation of TSPs in the nucleus, cell cycle arrest, reductions in several oncoproteins such as c-Myc and cyclin D1, and apoptosis of cancer cells. The combination of XPOVIO and dexamethasone and/or bortezomib demonstrated synergistic cytotoxic effects in multiple myeloma *in vitro* and increased anti-tumour activity in murine xenograft multiple myeloma models in vivo, including those resistant to proteasome inhibitors.

The effect of multiple doses of XPOVIO up to 175 mg twice weekly on the QTc interval was evaluated in patients with heavily pre-treated haematologic malignancies. XPOVIO had no large effect (i.e. no greater than 20 ms) on QTc interval at the therapeutic dose level

Clinical efficacy and safety

XPOVIO in combination with dexamethasone (Xd) for the treatment of patients with relapsed/refractory multiple myeloma

Study KPC-330-012 (STORM), a phase 2, multi-centre, single-arm, open-label, study, enrolled patients with relapsed and/or refractory multiple myeloma (RRMM). STORM Part 2 required patients to have measurable disease per IMWG criteria, have previously received three or more antimyeloma treatment regimens including an alkylating agent, glucocorticoids, bortezonilb, carfilzonilb, lenalidomide, pomalidomide, and an anti-CD38 monoclonal antibody; and whose myeloma was documented to be refractory to glucocorticoids, a proteasome inhibitor, an immunomodulatory agent, an anti-CD38 monoclonal antibody, and to the last line of therapy. Patients had to have an ECOG performance status score \leq 2, adequate hepatic, renal and haematopoietic function. Systemic light chain amyloidosis, active central nervous system myeloma, peripheral neuropathy of Grade 3 or higher, or painful neuropathy of Grade 2 or higher were

Patients were treated with 80 mg XPOVIO in combination with 20 mg dexamethasone on Days 1 and 3 of every week. Treatment continued until disease progression, death or unacceptable toxicity.

Among patients enrolled in STORM Part 2 (n=123), eighty-three (83) patients had RRMM that was pomalidomide) and an anti-CD38 monoclonal antibody (daratumumab). The median duration of XPOVIO treatment in these 83 patients was 9 weeks (range: 1 to 61 weeks). The median total dose of XPOVIO eceived was 880 mg (range 160 to 6,220 mg), with a median dose of 105 mg (range: 22 to 180 mg)

The data presented below is from the 83 patients whose disease was refractory to bortezomib (B), carfilzomib (C), lenalidomide (L), pomalidomide (P), and daratumumab (D) (penta-refractory).

Table 4 provides patients disease and prior treatment characteristics

Table 4: Demographics and disease characteristics of patients with relapsed refractory multiple

nyeloma treated with twice weekly 80 mg XPOVIO and 20 mg dexan	nethasone (n=83)
Characteristics	
Median from diagnosis to start of study treatment, years (range)	7 years (1, 23)
Number of prior treatment regimens, median (range)	8 (4, 18)
Age, median (range)	65 years (40, 86)
Patients < 65 years of age, n (%)	40 (48)
Patients 65-74 years of age, n (%)	31 (37)
Patients ≥ 75 years of age, n (%)	12 (15)
Males : Females, n (%)	51 M (61) : 32 F (39)
Refractory status to specific treatment combinations, n (%)	
Penta refractory (BCLPD)	83 (100)
Daratumumab in any combination	57 (69)
Daratumumab as single agent	26 (31)
Previous stem cell transplant¹, n (%) ≥2 transplants	67 (81) 23 (28)
Previous CAR-T Cell Therapy, n (%)	2 (2.4)
Revised Integrated Staging System at baseline, n (%)	
I	10 (12)
II	56 (68)
III	17 (21)
High-risk cytogenetics, n (%) (includes any of del(17p)/p53, t(14; 16), t(4; 14), or 1q21)	47 (57)
ECOG performance status: 0 to 1, n (%)	74 (89)

The primary efficacy endpoint was overall response rate (ORR) as assessed by an Independent Review Committee based on the IMWG uniform response criteria for multiple myeloma. Responses were assessed monthly and as per IMWG guidelines. Table 5 provides an overview of the efficacy results.

Table 5: Efficacy results: assessed by Independent Review Committee (STORM, patients with relapsed refractory multiple myeloma treated with twice weekly 80 mg XPOVIO and 20 mg

Efficacy endpoint	XPOVIO 80 mg + dexamethasone 20 mg n=83
Overall response rate (ORR), n (%) (includes sCR + VGPR + PR) ¹	21 (25.3)
95% confidence interval	16.4, 36
sCR, MRD negative, n (%)	1 (1.2)
CR, n (%)	0 (0)
VGPR, n (%)	4 (4.8)
PR, n (%)	16 (19.3)
Minimal response (MR), n (%)	10 (12.0)
Stable disease (SD), n (%)	32 (38.6)
Progressive disease (PD) /not evaluable (NE), n (%)	20 (24.1)
Median time to first response (weeks) (range: 1 to 10 weeks)	3.9
Median duration of response (DOR) months (95% confidence interval)	3.8 (2.3, 10.8)

¹sCR= stringent complete response, CR= complete response, VGPR= very good partial response,

Pharmacokinetic properties

Absorption
Following oral administration of XPOVIO peak plasma concentration, Cmax is reached within 4 hours. Concomitant administration of a high fat meal (800-1,000 calories with approximately 50% of total aloric content of the meal from fat) did not have a clinically significant effect on the pharmacokinetics

(POVIO is 95.0% bound to human plasma proteins. In a population pharmacokinetic (PK) analysis, the

apparent volume of distribution (Vd/F) of XPOVIO was 133 L in cancer patients. XPOVIO is metabolised by CYP3A4, multiple UDP-glucuronosyltransferases (UGTs) and glutathione S-

Following a single dose of 80 mg XPOVIO the mean half-life (t1/2) is 6 to 8 hours. In a population PK analysis, the apparent total clearance (CL/F) of XPOVIO was 18.6 L/h in cancer patients.

Age (18 to 94 years of age), sex, or race had no clinically significant effect on the pharmacokinetics of

In the population PK dataset, age and race were not identified as a significant covariate, gender was

identified as a significant covariate

The degree of renal impairment was determined by creatinine clearance as estimated by the Cockcroft-Gault equation. Results from population PK analyses of patients with normal (n=283, CL_{cr}; ≥90 mL/min), mild (n=309, CL_{cr}; 60 to 89 mL/min), moderate (n=185, CL_{cr}; 30 to 59 mL/min) or severe (n=13, CL_{or}: 15 to 29 mL/min) renal dysfunction indicated that creatinine clearance had no impact on the PK of XPOVIO. Therefore, mild, moderate, or severe renal impairment is not expected to alter XPOVIO PK, and no adjustments in the dose of XPOVIO are required in patients with renal dysfunction.

observed in a small number of patients with moderate (bilirubin >1.5-3 x ULN; any AST, n=10) and severe hepatic impairment (bilirubin >3 x ULN; any AST, n=3).

Repeated-dose Toxicity
Findings in the repeat dose 13-week rat study were decrements in body weight gain and food consumption, and haematopoietic/lymphoid hypoplasia, and male/female reproductive organ effects. In the 13-week monkey study, the treatment-related effects observed included body weight loss. gastrointestinal effects, and lymphoid/haematologic depletion. Gastrointestinal toxicities, including anorexia, decrements in body weight gain and reduced food consumption were noted to be CNSmediated. No safety margin for these toxicities could be established.

 $\label{thm:local_equation} \textit{Hepatic impairment} \\ \textit{Population PK analysis indicated that mild hepatic impairment (bilirubin >1-1.5 x ULN or AST> ULN, } \\$

but bilirubin ≤ ULN, n=119) had no clinically significant effect on the PK of XPOVIO. Similar finding was

Genotoxicity XPOVIO was not mutagenic in a bacterial reverse mutation assay. XPOVIO was not clastogenic in either

the in vitro cytogenetic assay in human lymphocytes or in the in vivo rat micronucleus assay

Carcinogenicity studies have not been conducted with XPOVIO

Toxicity to Reproduction and Development Fertility studies in animals have not been conducted with XPOVIO. In repeat-dose oral toxicity studies, XPOVIO was administered for up to 13 weeks in rats and monkeys. Reduced sperm, spermatids, and germ cells in epididymides and testes were observed in rats, decreased ovarian follicles were also observed in rats, and single cell necrosis of testes was observed in monkeys. These findings were observed at systemic exposures approximately 0.11, 0.28, and 0.53 times, respectively, the exposure (AUClast) in humans at the recommended human dose of 80 mg. Developmental effects were seen with daily exposure in pregnant rats at systemic exposures below the exposure (AUClast) in humans at the recommended human dose of 80 mg.

A guinea pig sensitisation assay showed that XPOVIO at 25% induced a mild Grade II dermal contact ensitivity response at 24 and 48 hours

PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Microcrystalline cellulose (pH-101) (E460i) Croscarmellose sodium (E468) Colloidal silicon dioxide (E551) Magnesium stearate (E470b) Microcrystalline cellulose (PH-102) (E460i)

6.2

6.3

6.5

Sodium lauryl sulphate (E514i)

Talc (E553b) Poly(vinyl alcohol) partially hydrolysed (E1203) Glyceryl monostearate (E471) Polysorbate 80 (E433)

Titanium dioxide (E171) Macrogol (E1521) Indigo carmine aluminium lake (E132) Brilliant blue FCF aluminium lake (E133)

Not applicable

Incompatibilitie

3 years. 6.4

Store at or below 30°C

Nature and contents of container PVC/PCTFE/PVC-aluminium blisters containing 3, 4, 5, 6 or 8 film-coated tablets.
Each carton contains a total of 12, 16, 20, 24 or 32 film-coated tablets. Not all pack-sizes may be

Special precautions for disposal Any unused medicinal product or waste material should be disposed of in accordance with local

DATE OF REVISION OF THE TEXT