

# **SAGITTA**

### Imatinib Mesilate Sagitta 100 mg hard capsules Sagitta 400 mg hard capsules

### Composition

Each 100 mg capsule contains: Active ingredients: 100 mg imatinib (as mesilate).

Excipients: Capsule filling: Crospovidone (type A), Lactose monohydrate, Magnesium stearate.

Capsule shell: Gelatin, Yellow iron oxide (E172), Titanium dioxide (E171), Red iron oxide (E172).

Each a'00 mg capsule contains:

Active ingredients: 400 mg imatinb (as mesilate).

Excipients: Capsule filling: Crospovidone (type A), Lactose monohydrate, Magnesium stearate.

Excipients: Capsule shill: Gelatin, Yellow in on oxide (E172). Titanium dioxide (E171), Red iron oxide (E172).

# Indications

Sagitta is indicated for the treatment of

- Arhitr and paediatric patients with newly diagnosed Philadelphia chromosome (bcr-abl) positive (Ph+) chronic myeloid leukaemia

(CML) for whom bone marrow transplantation is not considered as the first line of treatment.

Adult and paediatric patients with Ph+ CML in chronic phase after failure of interferon-alpha therapy, or in accelerated phase or

Adult patients with newly diagnosed Philadelphia chromosome positive acute lymphoblastic leukaemia (Ph+ ALL) integrated with chemotherapy.

Adult patients with relapsed or refractory Ph+ ALL as monotherapy.

Adult patients with relapsed or refractory Ph+ ALL as monotherapy.

Adult patients with myelodysplasticimyeloproliferative diseases (MDSMPD) associated with platelet-derived growth factor

Warnings and Precautions

Adult patients with myelodysplasticinyelogrouserative diseases (wubsweru) association with peanure receptor (PDGFR) gene re-arrangements.
 Adult patients with advanced hypereosinophilic syndrome (HES) and/or chronic eosinophilic leukaemia (CEL). The effect of imatinib on the outcome of bone marrow transplantation has not been determined.

Sagitta is indicated for

The treatment of adult patients with Kit (CD117) positive unresectable and/or metastatic malignant gastrointestinal stromal tumours (GIST). tumours (GIST).

The adjuvant treatment of adult patients who are at significant risk of relapse following resection of Kit (CD117) positive GIST.

 Interactive the transfer of the state of the and progression-free survival in CML, on haematological and cytogenetic response rates in Phr ALL, MDS/MPD, on haematological control of the control of the

Dosage and Administration

ould be initiated by a physician experienced in the treatment of patients with haematological malignancies and malignant sarcomas, as appropriate

malignant sarcomas, as appropriate. The prescribed dose should be administered orally with a meal and a large glass of water to minimize the risk of gastrointestinal irritations. Doses of 400 mg or 600 mg should be administered once daily, whereas a daily dose of 800 mg should be administered as 400 mg twice a day, in the morning and in the evening.

For patients unable to swallow the capsules, their content may be dispersed in a glass of either still water or apple juice.

Dosage in CMI

DVs.get in Circl.

In adult patients: The recommended dosage of Sagitta is 400 mg/day for adult patients in chronic phase CML, and 800 mg/day for adult patients in accelerated phase or blast crisis.

Treatment drastin: in clinical trists, treatment with institution was continued until disease progression. The effect of stopping the continued until disease progression.

Treatment duration: In clinical trisis, treatment with institution was continued until disease progression. The effect of stopping treatment after the achievement of a complete (oxponetic response has not been investigated.

- In children: Dosing for children should be on the basis of body surface area (mg/m²). The dosses of 340 mg/m² daly is excommended for children with chronic phase CML and advanced plase CML not oxeced the total cose of 900 mg/m² daly is excommended for children with chronic phase CML and advanced plase CML not to exceed the total dose of 900 mg/m² daly is and in the evening. The date recommendation sucurely bead on a small number of prediction continued and in the evening. The date recommendation sucurely bead on a small number of psediatric plastens.

In the absence of severe adverse drug reaction and severe non-feaksemin-related neutropenia or thrombocypopenia in the following circumstances: disease propression (if any might. [Mailto or durines a satisfactory heamstodgoid response after at least 3 months of treatment; failure to achieve a cytogenetic response after 12 months of treatment or loss of a previously achieved heamstodgoid and drotry cytogenetic response, an increase of losses can be considered as given:

- A dose increases from 400 mg to 600 mg or 600 mg in adult patients with chronic phase clieases.

- A cost increases from 400 mg to 600 mg or 600 mg in adult patients with chronic phase clieases.

- A cost increases from 400 mg to 600 mg or 600 mg in adult patients with chronic phase disease.

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- A cost increases from 400 mg to 600 mg or 600 mg in adult patients with chronic phase disease.

- A cost increases from 400 mg to 600 mg to 600

at higher dosages.

Dosage in Ph+ ALL

Dosage in Ph+ ALL

The recommends doe of Sagitta is 600 mydisy for adult patients with Ph+ ALL. Haematological experts in the management of this disease should supervise the therapy throughout all phases of care.

Treatment schedule: On the basis of the existing data, ination has been shown to be effective and safe when administered at 600 myday in combination with chemotherapy in the induction phase, the consolidation and maintenance phases of chemotherapy for adult patient with mely diagnosed Ph+ ALL. The duration of Sagitta therapy can vary with the treatment programme selected, but generally longer exposures to institute have yielded better results.

# Dosage in MDS/MPD

Dosign in mCulim. The recommended dose of Sagitta is 400 mg/day for adult patients with MDS/MPD. The recommended dose of Sagitta is 400 mg/day for adult patients with MDS/MPD. Treatment duration: In the only clinical trial performed up to now, treatment with invalinib was continued until disease progression. At the time of analysis, the treatment duration was a median of 47 months (24 days - 60 months).

At the time of analysis, the treatment duration was a median of 47 months (24 days - 60 months). Dosage in HESPOCEL The recommended dose of Sagitta is 100 mg/day for adult patients with HESPCEL. Dose increase from 100 mg to 400 mg may be considered in the absence of adverse drug reactions if assessments demonstrate an insufficient response to therapy. Treatment should be continued as long as the patient continues to benefit.

# Dosage in GIST

Dosage in GIST in executive down of Segitta is 400 mg/styr for shift patients with unreactable and/or instantate malignard QIST. The recommended down of Segitta is 400 mg/styr for shift patients promisely get the lower down. The shift of the order of the commence from 400 mg ps 500 mg or 900 mg patients promisely get the lower down. The shift of the commend curried in this in CIST patients, treatment with Segitta was continued until disease progression. At the time of analysis, the treatment curriation was median of 7 months of 2 days to 13 months). The effect of stoping restament affert achieving

a response investigated.

The recommended dose of Sagitta is 400 mg/day for the adjuvant treatment of adult patients following resection of GIST. Optimal

### treatment duration is not vet est Dosage in DFSP

dose of Sacitta is 800 mg/day for adult patients with DFSP.

# Dose adjustment for adverse reactions

Does a digitative in or autores reactions

Mon-hammatological adverse reactions

if a severe non-hammatological adverse reaction develops with Sagitta use, treatment must be withheld until the event has recovered. Thereafter, installent can be resumed as appropriate depending on the initial severity of the event.

recovered. Thereafter, installent can be resumed as appropriate depending on the initial severity of the event.

support to the event.

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If a severe is the event is a severe in the severe is a severe is a severe in the severe in the severe is a severe in the severe in the severe is a severe in the severe in the severe is a severe in the severe in the severe in the severe is a severe in the severe in the severe is a severe in the severe in the severe in the severe is a severe in the severe in the severe in the severe is a severe in the severe in t Haematological adverse reactions
Dose reduction or treatment interruption for severe neutropenia and thrombocytopenia are recommended as indicated in the table below.

arting dose 340 mg/m

Dose adjustments for neutropenia and thrombocytopenia:

	dose 100 mg)	platelets < 50 x 109/I	<ol><li>Resume treatment with Sagitta at previous dose (i.e. before severe</li></ol>
			adverse reaction).
			<ol> <li>Stop Sagitta until ANC ≥ 1.5 x 10<sup>9</sup>/l and platelets ≥ 75 x 10<sup>9</sup>/l.</li> </ol>
	MDS/MPD and GIST	platelets < 50 x 109/l	<ol><li>Resume treatment with Sagitta at previous dose (i.e. before severe</li></ol>
	(starting dose 400 mg)		adverse reaction).
	HES/CEL (at dose 400 mg)		<ol> <li>In the event of recurrence of ANC &lt; 1.0 x 10<sup>9</sup>/l and/or platelets &lt; 50 x 10<sup>9</sup>/l,</li> </ol>
			repeat step 1 and resume Sagitta at reduced dose of 300 mg.
	Paediatric chronic phase		<ol> <li>Stop Sagitta until ANC ≥ 1.5 x 10<sup>9</sup>/l and platelets ≥ 75 x 10<sup>9</sup>/l.</li> </ol>
	CML (at dose 340 mg/m <sup>2</sup> )	platelets < 50 x 109/I	2. Resume treatment with Sagitta at previous dose (i.e. before severe
			adverse reaction).
			<ol> <li>In the event of recurrence of ANC &lt; 1.0 x10<sup>9</sup>/l and/or platelets &lt; 50 x10<sup>9</sup>/l,</li> </ol>
П			reneat sten 1 and resume Sagitta at reduced dose of 260 mg/m <sup>2</sup>

Paediatric accelerated PaNC < 0.5 x 10<sup>9</sup>/l and/or 1. Check whether cytopenia is related to leukaemia (marrow aspirate hase CML and blast crisis platelets < 10 x 10<sup>9</sup>/l or blopsy). or blopsy). 2. If cytopenia is unrelated to leukaemia, reduce dose of **Sagitta** to 260 mg/m². 3. If cytopenia persists for 2 weeks, reduce further to 200 mg/m². 4. If cytopenia persists for 4 weeks and is still unrelated to leukaemia, stop **Sagitta** until  $\Delta MC \ge 1 \times 10^9 n$  and platelets  $\ge 20 \times 10^9 n$ , then resume

Rare: Fungal infection

Blood and lymphatic system disorders

Adult patients with CML in PANC < 0.5 x 10<sup>9</sup>/l and/or 1. Check whether cytopenia is related to leukaemia (marrow aspirate blast crisis (starting dose) lolatelets < 10 x 10<sup>9</sup>/l lor bloosy). or biopsy).

2. If cytopenia is unrelated to leukaemia, reduce dose of Sagitta to 400 mg If cytopenia persists for 2 weeks, reduce further to 300 mg. 4. If cytopenia persists for 4 weeks and is still unrelated to leukaemia, sto Sagitta until ANC ≥ 1 x 10<sup>9</sup>/l and platelets ≥ 20 x 10<sup>9</sup>/l, then resum DFSP (at dose 800 mg)

ANC < 1.0 x 10<sup>th</sup> and sizement at 300 mg.

ANC < 1.0 x 10<sup>th</sup> and platelets < 50 x 10<sup>th</sup> 1.

Indicated the sizement at 300 mg.

In the vertical recurrence of ANC < 1.0 x 10<sup>th</sup> and platelets > 7 x x 10<sup>th</sup> 1.

In the event of recurrence of ANC < 1.0 x 10<sup>th</sup> and or platelets > 7 x 10<sup>th</sup> 1.

In the event of recurrence of ANC < 1.0 x 10<sup>th</sup> and or platelets < 50 x 10<sup>th</sup> 1, repeat step 1 and resument Sagifitat at efection of 000 mg.

ANC = absolute neutrophil count

a occurring after at least 1 month of treatment

### Special populations

Special populations

Paediatric use: There is no experience in children with CML below 2 years of age. There is limited experience in children with Ph+

ALL and very limited experience in children with MDS:MPD and DFSP. There is no experience in children or adolescents with GIST.

and HES/CEL. Hepatic insufficiency: Imatinib is mainly metabolized through the liver. Patients with mild, moderate or severe liver dysfunction should be given the minimum recommended dose of 400 mg daily. The dose can be reduced if not tolerated.

Liver dystunction classification:	
Liver dysfunction	Liver function tests
Mild	Total bilirubin: = 1.5 ULN AST: >ULN (can be normal or <uln bilirubin="" if="" is="" total="">ULN)</uln>
Moderate	Total bilirubin: >1.5-3.0 ULN AST: any
Severe	Total bilirubin: >3-10 ULN AST any

ULN = upper limit of normal for the institution

AST = aspartate aminotransferase
Renal insufficiency: Patients with renal dysfunction or on dialysis should be given the minimum recommended dose of 400 mg daily
as starting dose, However, in these patients caution is recommended. The dose can be reduced if not tolerated. If tolerated, the

as starting lobe: "however, in intelligibles, continued to the plants of the plants of

# Contraindications Hypersensitivity to the active substance or to any of the excipients listed above

Warmings and Pre-cautions
Sagitta should be taken with food and a large glass of water to minimize the risk of gastrointestinal disturbances.
When Sagitta is co-administered with other medicinal products, there is a potential for drug interactions.
Hypothyroidisms, or inclinaci cases of hypothyroidism have been reported in Hypothyroidisms updated such gradients undergoing levothyroidereplacement during treatment with limatinib. Thyrioid-stimulating hormone (TSH) levels should be closely monitored in such patients,
Hepatoboxifor; by patients with hepatic dysfunction (mid, moderate or severe), peripheral blood counts and liver enzymes should

Proportyroidasm. Curiosa cases or injugative and the passage of the company of th

with caution. The dose can be reduced if not tolerated.

Paediatric population: There have been case reports of growth retardation occurring in children and pre-adolescents receiving instituti. The long-term effects of prolonged readment with institution or growth in cylidren are unknown. Therefore, does monitoring of growth in children under institution the treatment with institution or growth in children are unknown. Therefore, does monitoring of growth in children under institution treatment after monitoring of growth in children under institution treatment and recommended.

Pregnancy and Lactation

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Pregnancy

Programs

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Whener of childrening potential must be advised to use effective contraception during treatment.

Women of childbearing potential must be advised to use effective contraception during treatment. Breast-feeding. There is limited information on install obstitution on human milk. Studies in two sees-f-eeding women revealed that both imatinib and the sacre metabolic can be distributed into human milk. The milk plasma ratio studied in a single patient was determined to be 0.5 for installo and 0.9 for the metabolite, suggesting greater distribution of the metabolite in the milk. Considering the combined concentration of installo and the metabolite and the maximum daily milk intake by infants, the total exposure would be expected to be low (~10% of a therepeate dose), However, since the effects of low-dose exposure of the infant to insalinb are unknown, women taking insalinb short not breast-feed.

# **Driving and Using Machines**

rience undesirable effects such as dizziness, blurred vision or somnolence durin ients should be advised that they may experience undesira tment with imatinib. Therefore, caution should be recomme

### Undocirable Effects

Intestinate with instinit. Therefore, caution should be recommended when driving a car or operating machinery.

Undesirable Effects

Patients with advanced stages of malignancies may have numerous confounding medical conditions that make causality of advancer actions difficult to assesse due to the variety of symptoms related to the underlying disease, its progression, and the in clinical ratios in CML. drug discontinuation for duy-related adverser reactions was observed in 2.4% of newly diagnosed patients, in clinical traits in CML. drug discontinuation for duy-related adverser reactions was observed in 2.4% of newly diagnosed patients, and 5% of balatic traits patients after failure of inferferon therapy, 4% of patients in accentage the patients after failure of inferferon therapy, 1% of 15° the study drug was discontinuated or drug-related adverser reactions were smaller all inflications, with two exceptions. There was more myrelotated progression seen in CML patients than in CEIST, which is probably dus to the underlying diseases, in the study in patients with unreaccible and/or metastatic control of 15° to 15° to

# Infections and infestations

Herpes zoster, herpes simplex, nasopharyngitis, pneumonia<sup>1</sup>, sinusitis, cellulitis, upper respiratory tract infection, influenza, urinary tract infection, gastroenteritis, sepsis Thrombocythaemia, lymphopenia, bone marrow depression, eosinophilia, lymphadenopathy

Metabolism an	d nutrition disorders
Common:	Anorexia
Uncommon:	Hypokalaemia, increased appetite, hypophosphataemia, decreased appetite, dehydration, gout, hypercircaemia, hypercircaemia, hypercircaemia, hypercircaemia
Rare:	Hyperkalaemia, hypomagnesaemia
Psychiatric dis	
Common:	Insomnia
Uncommon:	Depression, libido decreased, anxiety
Rare:	Confusional state
Nervous syste	m disorders
Very common:	Headache <sup>2</sup>
Common:	Dizziness, paraesthesia, taste disturbance, hypoaesthesia
Uncommon:	Migraine, somnolence, syncope, peripheral neuropathy, memory impairment, sciatica, restless leg syndrome, tremor, cerebral haemorrhage
Rare:	Increased intracranial pressure, convulsions, optic neuritis
Eye disorders	
Common:	Eyelid oedema, lacrimation increased, conjunctival haemorrhage, conjunctivitis, dry eye, blurred visio
Uncommon:	Eye irritation, eye pain, orbital oedema, scleral haemorrhage, retinal haemorrhage, blepharitis, macular oedema
Rare:	Cataract, glaucoma, papilloedema
Ear and labyring	ith disorders
Uncommon:	Vertigo, tinnitus, hearing loss
Cardiac disord	ers
Uncommon:	Palpitations, tachycardia, cardiac failure congestive <sup>3</sup> , pulmonary oedema
Rare:	Arrhythmia, atrial fibrillation, cardiac arrest, myocardial infarction, angina pectoris, pericardial effusion
Vascular disor	ders <sup>4</sup>
Common:	Flushing, haemorrhage
Uncommon:	Hypertension, haematoma, peripheral coldness, hypotension, Raynaud's phenomenon
Respiratory, th	oracic and mediastinal disorders
Common:	Dyspnoea, epistaxis, cough
Uncommon:	Pleural effusion <sup>5</sup> , pharyngolaryngeal pain, pharyngitis
Rare:	Pleuritic pain, pulmonary fibrosis, pulmonary hypertension, pulmonary haemorrhage
Gastrointestin	
Very common:	Nausea, diarrhoea, vomiting, dyspepsia, abdominal pain <sup>6</sup>
Common:	Flatulence, abdominal distension, gastro-oesophageal reflux, constipation, dry mouth, gastritis
Uncommon:	Stomatitis, mouth ulceration, gastrointestinal haemorrhage <sup>7</sup> , eructation, melaena, oesophagitis,
Rare:	ascites, gastric ulcer, haematemesis, chellitis, dysphagia, pancreatitis  Colitis, ileus, inflammatory bowel disease
Naie.	Colles, lieus, lilialililatory bowel disease

Common:	mmon: Flatulence, abdominal distension, gastro-oesophageal reflux, constipation, dry mouth, gastritis	
Uncommon:	scommon: Stomatitis, mouth ulceration, gastrointestinal haemorrhage <sup>7</sup> , eructation, melaena, oesophagitis ascites, gastric ulcer, haematemesis, chellitis, dysphagia, pancreatitis	
Rare:	Colitis, ileus, inflammatory bowel disease	
Hepatobiliary disorders		
Common:	ommon: Increased hepatic enzymes	
Uncommon:		
Rare:	Hepatic failure <sup>8</sup> , hepatic necrosis	
Skin and subcutaneous tissue disorders		

Uncommon:	nyperbiirubinaemia, nepaliis, jaundice
Rare:	Hepatic failure <sup>8</sup> , hepatic necrosis
Skin and subcutan	eous tissue disorders
Very common:	Periorbital oedema, dermatitis/eczema/rash
Common:	Pruritus, face oedema, dry skin, erythema, alopecia, night sweats, photosensitivity reaction
Uncommon:	Rash pustular, contusion, sweating increased, urticaria, ecchymosis, increased tendency to bruise, hypotrichosis, skin hypopigmentation, dermatitis exciliative, onychoclasis, folliculitis, petechiae, pondasis, purpura, skin hyperpigmentation, bullous eruptions
Rare:	Acute febrile neutrophilic dermatosis (Sweet's syndrome), nail discolouration, angioneurotic oedema, rash vesicular, erythema multiforme, leucocytoclastic vasculitis, Stevens-Johnson syndrome, acute generalised exanthematous pustulosis (AGEP)

	oedema, rash vesicular, erythema multiforme, leucocytoclastic vasculitis, syndrome, acute generalised exanthematous pustulosis (AGEP)
Musculoskeleta	al and connective tissue disorders
Very common:	Muscle spasm and cramps, musculoskeletal pain including myalgia, arthralgia,
Common:	Joint swelling
Uncommon:	Joint and muscle stiffness
Rare:	Muscular weakness, arthritis, rhabdomyolysis/myopathy
Renal and urina	ary disorders
Uncommon:	Renal pain, haematuria, renal failure acute, urinary frequency increased

Uncommon:	Renal pain, haematuria, renal failure acute, urinary frequency increased			
Reproductive s	ystem and breast disorders			
Uncommon:	Gynaecomastia, erectile dysfunction, menorrhagia, menstruation irregular, sexual dysfunction, nipple pain, breast enlargement, scrotal oedema			
Rare:	Haemorrhagic corpus luteum/haemorrhagic ovarian cyst			
General disorde	General disorders and administration site conditions			
Very common:	Fluid retention and oedema, fatigue			
Common:	Washness puravia anasarca chille rinnre			

	Very common:	Weight increased
ta.	Common:	Weight decreased
renal tients.	Uncommon:	Blood creatinine increased, blood creatine phosphokinase increased, blood lactate dehydroge increased, blood alkaline phosphatase increased
eated	Rare:	Blood amylase increased

Chest pain, malaise

Position was reported most commonly in patients with transformed CML and in patients with GIST.

On a patient-year basis, cardiac events including congestive heart failure were more commonly observed in patients with

\*\*Flashing was most common in GST patients and believing (harmanism report patients) and the second patients and believing (harmanism, harmanism) and common in patients with GIST and with transformed CML (CML-AP and CML-BC). Perual efficient on sex protection are common in patients with GIST and with transformed CML (CML-AP and CML-BC). Perual efficient on sex protection are common in patients with GIST and in patients with chronic CML.

\*\*Prevall efficient on and geatomism harmonism gave ment commonly observed in GIST patients.

\*\*Producing tages and geatomism harmonism gave ment commonly observed in GIST patients.

\*\*Producing tages and geatomism and of hepotic records that we been reported.

\*\*Producing tages of reactions have been reported mainly from post-marketing experience with imarified. This includes spontaneous case reports as well as serious adverse events from ongoing studies, the expanded access programs, clinical pharmacology studies and explosionly studies in margorizory studies in unarproved inclassions. Exclusive these reactions are reported than a population of unarbodies and explosionly studies in unarproved inclassions. Exclusive these reactions are reported may be applicable on the production of the dependence of the production of

Nervous system disorders			
Not known:	Cerebral oedema		
Eye disorders			
Not known:	Vitreous haemorrhage		
Cardiac disorde	rs		
Not known:	Pericarditis, cardiac tamponade		
Vascular disorde	ers		
Not known:	Thrombosis/embolism		
Respiratory, tho	racic and mediastinal disorders		
Not known:	Acute respiratory failure <sup>1</sup> , interstitial lung disease		
Gastrointestinal	Gastrointestinal disorders		
Not known:	lleus/intestinal obstruction, tumor haemorhage/ tumor necrosis, gastrointestinal perforation <sup>2</sup>		
Rare	diverticulitis		
Skin and subcutaneous tissue disorders			
Not known:	Palmoplantar erythrodysesthesia syndrome		
Not known:	Lichenoid keratosis, lichen planus		
Not known:	Toxic epidermal necrolysis		
Musculoskeletal and connective tissue disorders			
Not known:	Avascular necrosis/hip necrosis		
Not known:	Growth retardation in children		
Reproductive disorders			
Very rare	Haemorragic corpus luteum/ Haemorragic ovarien cyst		
Neoplasm benign mmalignant and unspecified (including cysts and polyps)			

Not known: Tumor lysis syndrome Fatal cases have been reported in patients with advanced disease, severe infections, severe neutropenia and other serious oncomitant conditions. Some fatal cases of gastrointestinal perforation have been reported

<sup>2</sup> Some fixed cases of gastrointestinal perforation have been reported Laboratory test Abnormalities: Heematology: In CML, cytopenias, particularly neutropenia and thrombocytopenia, have been a consistent finding in all studies. Heematology: In CML, cytopenias, particularly neutropenia and thrombocytopenia, have been a consistent finding in all studies, with the suggestion of a higher frequency of high doses is 750 mg (phase I study). However, the occurrence of cytopenias was also clearly dependent on the stage of the disease, the frequency of grade 50 of neutropenias (ARC < 1.0 x 1/0<sup>3</sup>) and thrombocytope-nias (platiella count < 50 x 1/0<sup>3</sup>) heep between 4 and of times higher in blact crist and accelerated place (50-45% and 4-10 x 1/0<sup>3</sup>) for neutropenia and thrombocytopenia, respectively) as compared to newly diagnosed patients in chronic platies CML (16.75% for neutropenia and thrombocytopenic respectively) as compared to newly diagnosed patients in chronic platies CML (16.75% for neutropenia and thrombocytopenic cytin of the neutropenic and thrombocytopenic cytin of the neutropenic and thrombocytopenic episodes usually ranged from 2 to 3 weeks and from 3 to 4 weeks, respectively.

These events can usually be managed with either a reduction of the dose or an interruption of treatment with Sacitta, but can in Triese events can usually be managed with either a reduction of the dose or an interruption of treatment with sagrifiant, out can in rare cases leads to permanent discontinuation of treatment. In paediatric OALI, patients the most frequent toxicities observed were grade 3 or 4 cytopenias involving neutropenia, thrombocytopenia and anaemia. These generally occur within the first several

months of therapy.

\*\*Blochemistry: Severe elevation of transaminases (<5%) or bilimbin (<1%) was seen in CML patients and was usually managed with dose reduction or internution (the market winters of the control of the control of the market winters of the control of the cont Blochemistry: Severe elevation of transaminases (5%) of biliratin (<1%), was seen in CML patients and was usually managed with dose reduction or interruption (the median duration of here espicades was approximately on week). Treatment was discontinued permanently because of here laboratory abnormalities in less than 1% of CML patients, in GIST patients (study 64222), 6.3% of great 3 or 4 AST (alganizate aminotransferase) elevations and 4.5% of great 3 or 4 AST (alganizate aminotransferase) elevations are considerable elevations were observed. Bilirubin elevation was below 3%. There have been cases of cytolytic and cholestatic hepatitis and hepatic failure; in some of them outcome was fatal, including one patient on high does paracetemise.

Overdosage
Experience with doses higher than the recommended therapeutic dose is limited, isolated cases of imatinib overdose have been to the control of overdose the catient should be observed and appropriate symptomatic estment given. Generally the reported outcome in these cases was "improved" or "recovered". Events that have been reported at

## Adult population

Adunt popuradum, 2020 to 1800 mg (duration vanying between 1 to 10 days): Nausea, vomiting, diarrhoea, rash, erythema, oedema, swelling, fatigue, nuscle spasms, thrombocytopenia, pancytopenia, abdominal pain, headache, decreased appetite. 800 to 3200 mg das high as 3200 mg daily for 6 days; Weakness, myaligia, increased reather phosphokinase, increased bilirubin,

pastromestinal pain. \$400 mg (single dose): One case reported in the literature of one patient who experienced nausea, vomiting, abdominal pain, pyrexia, facial swelling, decreased neutrophil count, increased transaminases. 8 to 10 g (single dose): Vomiting and gastrointestinal pain have been reported.

6 or 10 g langle closely. Vornising and gastroniseman pain have cent reported. Paedilatric population One 3-year-old male exposed to a single dose of 400 mg experienced vorniting, diarrhoes and ancrexia and another 3-year-old male exposed to a single dose of 980 mg dose experienced decreased white blood cell count and diarrhoes.

make exposed to a single dose of 980 mg dose experienced decreased while blood cell count and clarimosa. Interraction S.
Active substances that may increase imatinib plasma concentrations:
Substances that inhibit the cytochrome P450 isseesayme CVP3A4 activity (e.g. ketoconazole, itraconazole, erythromycin, clarithromycin) could decrease metabolism and increase imatinib concentrations. There was a significant increase in exposure to install the mean format and AUC of imatinib rose by 28% and 40%, respectively) in healthy subjects when it was co-administered with a single dose of ketoconazole (a CVP3A4 inhibitor). Caution should be taken when administering Sagitta with inhibitors of the CVP3A4 family.

CYPSA4 tamily.

Active substances that may decrease imatinib plasma concentrations:

Substances that are inducers of CYPSA4 activity could increase metabolism and decrease imatinib plasma concentrations. Co-medications which induce CYP3A4 (e.g. dexamethasone, phenytoin, carbamazepine, rifampicin, phenobarbital, fosphenytoin, primidone or Hypericum perforatum, also known as St. John's Wort) may significantly reduce exposure to **Sagitta**, potentially printed by a Projection performance of the projection of the proje

origis (LP-CLD) solds as carbitacipieri, uscientazignieri and prienrytori. Inni placelar Anc. Lor initiation decreased by "75 Schorgener of the placelar and on the solds of t

irribibitors, Le stains, etc.). Imatibi able irribibitors, Le stains, etc.) Imatibi able irribibitors, Le stains, etc.) Imatibi able irribibits CYPEC9 and CYP2C19 activity in vitro. PT prolongation was observed following co-administration with warfain; When giving countains, short term PT imonitoring is therefore necessary at the start and the end of Sagitta therapy and when attering the docs. Alternatively, the use of low molecular-weight hepsin should be considered.

when ausming the close. Attentivery, the use of low melecular weight heparts should be considered. In which installs inhibits the ophorhome PAGS liseocryme CYP2D6 activity or concentrations similar to those that affect CYP3A4 activity. Installs at 400 mg hive daily had an inhibitory effect on CYP2D6 mediated meloproich metabolism, with metoproici Cmax and ALIC being nonessed by approximately 23%. Co- administration of Sagiltar with CYP2D6 substrates, such as metoproici, does not seem to be a risk factor for drug-drug interactions and dose adjustment may not be necessary.

### Pharmacodynamics

Final macOoy name in the protein prosent is a protein prosent by inhibits the Bcr-Abil tyrosine kinase at the in vitro, cellular and in vivo levets. The compound selectively inhibits proliferation and induces apoptosis in Bcr-Abil positive cell lines as well as fresh leukaemic cells from Philadelphia chromosome positive CML and acute hymphobiastic elukaemia (ALI) patients.

In vivo the compound shows anti-tumor activity as a single agent in animal models using Bcr-Abl positive tumor cells. Imatilib is also an inhibitor of the receptor tyrosine kinases for platelet-derived growth factor (PDGF), PDGF-R, and stem cell factor (SCF). ckit, and inhibits PDGF-and SCF-mediated cellular events. In vitro, inatilib inhibits profileration and induces apoptosis in

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### Pharmacokinetics

The pharmacokinetics of imatinib have been evaluated over a dosage range of 25 to 1000 mg. Plasma pharmacokinetic profiles were analyzed on day 1 and on either day 7 or day 28, by which time plasma concentrations had reached steady state. Absorption

Absorption

Man absorption hipspallshifty for imatinih is 98%. There was high hatween nation variability in places imatinih &LIC levels after an mean absolute bioavailiationity for immaint in servs. Intere was night between patient variability in plasma inflamina AOC levels sites an oral dose. When given with a high fat meal, the rate of absorption of imatinity was minimally reduced (11% decrease in Cmax and prolongation of tmax by 1.5 h), with a small reduction in AUC (7.4%) compared to fasting conditions.

Distribution

At clinically relevant concentrations of imatinib, binding to plasma proteins was approximately 95% on the basis of in vitro experiments, mostly to albumin and alpha-acid-glycoprotein, with little binding to lipoprotein.

Biotransformation
The main circulating metabolite in humans is the N-demethylated piperazine derivative, which shows similar in vitro potency to the parent. The plasma AUC for this metabolite was found to be only 16% of the AUC for imatinib. The plasma protein binding of the N-demethylated metabolite is similar to that of the parent compound.

### Flimination overy of compound(s) after an oral C14-labelled dose of imatinib, approximately 81% of the dose was recovered within

days in faeces (68% of dose) and urine (13% of dose). Unchanged imatinib accounted for 25% of the dose (5% urine, 20% fae the remainder being metabolities.

Plasma pharmacokinetics
Following oral administration in healthy volunteers, the 1t/s was approximately 18 h, suggesting that once-daily dosing is appropriate.
Following oral administration. There was no change in the kinetics of imatinib on repeated dosing, and accumulation was 1.5–2.5-fold at steady state when obsed once daily.

Population pharmacokinetics tion pharmacokinetic analysis in CML patients, there was a small effect of age on the volume of distribution (12% Balled on population pristriculoshwered analyses at louis, paperties, where was a sharel writed capit of use source on conscious of the construction of the constructi

### Pharmacokinetics in children

As in adult patients, imatinib was rapidly absorbed after oral administration in paediatric patients in both phase I and phase II studies. Dosing in children at 260 and 340 mg/m²/day achieved the same exposure, respectively, as doses of 400 mg and 600 mg in adult patier The comparis sperison of AUC<sub>(0.24)</sub> on day 8 and day 1 at the 340 mg/m<sup>2</sup>/day dose level revealed a 1.7-fold drug accumulation after

The comparison of ALC<sub>QOAD</sub>, on day 8 and day 1 at the 340 mg/m²/day dose level revealed a 1.7-on drug accumulation surer repeated conce-didly dosing. **Organ function impairment**Institution and its metabolities are not excreted via the kidney to a significant extent. Patients with mild and moderate impairment of renal function appear to have a higher plasma exposure than patients with normal renal function. The increase is approximately 1.5 to 2-fold, corresponding to a 1.5-fold-elevation of plasma ACP to which institution brinds strongly.

The few drug designance of maritim is probably similar between patients with recal impairment and hose with normal renal function. Although the results of pharmacokinet canalysis showed that there is considerable inter-subject variation, the mean exposure to institute did not nicrease in patients with varying degrees of liver dysfunction as compared to patients with normal liver function.

## Expiry date and storage conditions

This date refers to the product correctly stored in unopened package. Beware not to use Sagitta after this date. Store below 30°C.

### Keep all medicines out of reach of children. Presentation

Sagitta 100 mg, hard capsule are gelatin capsules of size "3" with orange body and cap. They are supplied in packs containing 60 capsules.

Sagitta 400 mg, hard capsule are gelatin capsules of size "00" with caramel body and cap.

They are supplied in packs containing 30 capsules.

Manufactured by: Pabianickie Zaklady Farmaceutyczne Polfa S.A. Pabianice, Poland.
ARWAN Pharmaceutical Industries Lebanon s.a.l.

# THIS IS A MEDICAMENT

- Medicament is a product which affects your health, and its consumption contrary to instruct Follow strictly the doctor's prescription, the method of use and the instructions of the pharm The doctor and the pharmacoist are excerts in medicines, their benefits and risks.
- Do not by yourself interrupt the period of treatment prescribed for you.

  Do not repeat the same prescription without consulting your doctor.

Jadra, Lebanon

Keep all medicaments out of the reach of children Council of Arab Health Ministers, Union of Arab Pharmacists

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