(b) NOVARTIS

Sandostatin[®]

Active substance: Octreotide (as octreotide acetate) Excipients: 1 ml ampoules: Lactic acid, mannitol, water for injections to 1 ml 5 ml vials: Lactic acid, mannitol, 5 mg phenol as preservative, water for injections to 1 ml

Pharmaceutical form and quantity of active substance per unit

1 ml ampoules containing 0.05 mg/ml, 0.1 mg/ml or 0.5 mg/ml 5 ml vial containing 0.2 mg/ml See also Sandostatin LAR (long-term treatment of acromegaly).

Indications/Potential uses

Acromegaly

Symptom control and reduction of plasma levels of growth hormone (GH) and insulin-like growth factor 1 (IGF-1) in acromegalic patients who have failed to respond to surgery or radiotherapy, are unable or unwilling to undergo surgery or are in the latency period before radiotherapy becomes fully effective.

Relief of signs and symptoms of functional gastroenteropancreatic (GEP) endocrine tumours

Efficacy has been adequately documented in these indications:

- Carcinoid tumours with features of the carcinoid syndrome
- VIPoma (VIP: Vasoactive Intestinal Peptide)
- Glucagonomas

Sandostatin shows efficacy in about 50% of cases (limited number of patients treated thus far) in these indications:

- Gastrinomas/Zollinger-Ellison syndrome (usually in conjunction with proton pump inhibitors or H_a-antagonist therapy)
- Insulinomas (for pre-operative prevention of Hepatic impairment: The half-life of the prod-
- GRFomas (GRF: growth-hormone-releasing factor)

Sandostatin often brings about improvement in symptoms, but does not cure the underlying disease, in these conditions.

- Prevention of complications following pancreatic surgery
- Emergency treatment of bleeding gastro-oesophageal varices secondary to cirrhosis in combination with specific therapy such as Use: See also the detailed instructions for use endoscopic sclerotherapy

Dosage/Administration Acromegalv

by s.c. injection. The dose should be adjusted based on monthly assessment of its effects receive the same dose.

A maximum daily dose of 1.5 mg should not be exceeded. After several months of treatment, with monitoring of plasma GH levels, dose reduction may be considered. If there is no appreciable reduction in IGFand/or GH levels and no clinical response by the end of one month of treatment with Sandostatin, discontinuation of treatment should be considered.

Gastroenteropancreatic endocrine tumours The starting dose is 0.05 mg once or twice daily s.c. The dose may be gradually increased to 0.2 mg three times daily, with tolerability and therapeutic efficacy (improvement in symptoms, reduction in elevated levels of tumour-produced hormones) being taken into account. Higher doses may be reguired in exceptional cases. The maintenance dosage requires individual titration.

It is recommended that treatment be discontinued after one week if there is a lack of therapeutic efficacy

Complications following pancreatic surgery 0.1 mg three times daily s.c. on 7 successive days, the first dose being administered on the day of the operation at least one hour before the start of surgery.

Bleeding gastro-oesophageal varices fusion for a maximum of 5 days. Sandostatin may be diluted with physiological saline (see also "Instructions for administration by i.v. infusion" under "Other Information").

Special dosage instructions

Elderly patients: Results of a small-scale. single-dose study in elderly subjects show no need for any special dosage in elderly patients at the start of treatment with Sandostatin.

Children: Experience with octreotide in children is limited.

hypoglycaemia and for maintenance thera-uct may be longer in patients with liver cirrhosis and may necessitate a change in the maintenance dose. Sandostatin was well tolerated when administered by continuous i.v. infusion at doses up to 0.050 mg/hour over a period of 5 days to cirrhotic patients with bleeding gastro-oesophageal varices.

> Renal impairment: Renal impairment had no effect on total exposure (AUC) to subcutaneously administered octreotide and it is therefore not necessary to adjust the dose of Sandostatin. under "Other information".

drug by s.c. injection must receive precise require particularly close monitoring at the studies in pregnant women. In the post-marprofessional (see "Other information"). GH < 2.5 ng/ml; IGF-1 in normal range), prior to administration so that injection site smaller doses. 0.3 mg. IGF-1 and/or GH should be measured site should be avoided. To prevent contaminapunctured more than ten times.

Contraindications

Known hypersensitivity to octreotide or to any of the excipients.

Warnings and precautions General

GH-secreting pituitary tumours may expand. causing serious complications (e.g. restriction risk of insulin-dependent diabetes or changes of the visual field) and patients must therefore in the insulin requirement of patients with exbe closely monitored. If evidence of tumour isting type I diabetes. Appropriate monitoring expansion is detected, alternative treatment of blood glucose levels is therefore necessary. methods should be considered. The therapeutic benefits of a reduction in Nutrition growth hormone (GH) levels and normalisation

of insulin-like growth factor 1 (IGF-1) concen- fats in some patients. trations in female acromegalic patients may Depressed vitamin B12 blood levels and abnorpossibly restore fertility. Female patients of mal Schilling's test results have been observed child-bearing potential should be advised to in some patients receiving octreotide therapy. use appropriate contraception if necessary Monitoring of vitamin B12 blood levels is recomduring treatment with octreotide (see "Pregnancy/Breast-feeding").

Thyroid function should be monitored in patients receiving long-term treatment with oc- Interactions treotide

Cardiovascular events

There have been uncommon reports of bradycardia. Dose adjustment may be necessary 0.025 mg/hour, given as a continuous i.v. in- for drugs such as beta blockers, calcium tine increases the availability of bromocriptine. channel blockers or other agents used to control the electrolyte and fluid balance.

Gallbladder and gallbladder-related events

The formation of gallstones (cholelithiasis) is very common during treatment with Sandostatin. Gallstones may also occur in conjunction with inflammation of the gallbladder (cholecystitis) and dilatation of the biliary tract (see "Adverse effects"). Gallbladder ultrasonography is therefore recommended both before beginning treatment with Sandostatin and at Pharmacodynamic interactions approximately 6 to 12 month intervals during Dose adjustment of medicines such as beta the course of such treatment.

GEP endocrine tumours

of symptomatic control with recurrence of seteropancreatic) endocrine tumours receiving ministered (see "Warnings and precautions"). Sandostatin

Glucose metabolism

secretion more potently than insulin secretion "Preclinical data").

the dose is changed.

dent) diabetes. Hypoglycaemia was reported. sugar levels accordingly and to adjust anti-diabetic therapy, if required.

Oesophageal varices

Episodes of bleeding secondary to oesophageal varices are associated with an increased

- Octreotide may alter the absorption of dietary
- mended during therapy with Sandostatin in patients with a history of vitamin B12 deficiency.

Pharmacokinetic interactions Octreotide has been found to reduce the intestinal absorption of ciclosporin and to slow that of cimetidine

Co-administration of octreotide and bromocrip-A limited amount of published data indicates that somatostatin analogues might reduce the metabolic clearance of substances metabolised by cytochrome P450 enzymes. This is attributed to the suppression of growth hormones. As it cannot be ruled out that octreotide might also have such an effect, caution is indicated when using other drugs that are principally metabolised by CYP3A4 and have a narrow therapeutic index (e.g. quinidine, terfenadine).

blockers, calcium channel blockers or agents Faecal fat excretion may increase, but even The adverse effects observed in clinical studto control fluid and electrolyte balance may be necessary when Sandostatin is co-adminis-There may be rare instances of a sudden loss tered (see "Warnings and precautions").

vere symptoms in patients with GEP (gastroen-

Pregnancy/Breast-feeding Pregnancy

Octreotide may exacerbate and prolong hy- Animal studies with octreotide have not shown Gallbladder and gallbladder-related events poglycaemic episodes in patients with insu-reproductive toxicological effects, apart from Somatostatin analogues inhibit gallbladder

Initial dose of 0.05 to 0.1 mg every 8 hours instructions from the physician or healthcare start of Sandostatin treatment and whenever keting period, there have been a limited number of reports concerning female acromegaly value is 5-20% in the general population. Gall-It is recommended that the solution for injec-Marked fluctuations in blood glucose may be patients who were pregnant and received octon levels of circulating GH and IGF-1 (target: tion be allowed to reach room temperature controlled by more frequent injections with rectide, but pregnancy outcomes are unknown in half of these cases. Most of the patients should either be treated by litholysis therapy clinical symptoms and tolerability. In most pain can be avoided as much as possible. Re- Sandostatin may reduce the insulin require- received octreotide during the first trimester with bile acids or surgically removed. patients, the optimum daily dose is 0.2 to peated injection at short intervals at the same ments of patients with type I (insulin-dependence) of pregnancy at doses ranging from 100 to 300 µg Sandostatin s.c. daily or 20 to 30 mg every 6 months in patients who continue to tion of the vial, the rubber cap should not be Sandostatin can cause a postprandial rise in Sandostatin LAR per month. In approximately blood sugar in non-diabetics and in type II di- two-thirds of the cases of pregnancies with been reported after the first few hours or days abetics with partially intact insulin reserves. It known outcome, the women chose to con- of treatment with Sandostatin. It has resolved is therefore recommended to monitor blood tinue octreotide therapy during their pregnan- again on withdrawal of treatment. In addition, cies. Normal newborns were reported in most cholelithiasis-induced pancreatitis has been of the cases with known outcome, but some reported in patients receiving long-term treatspontaneous abortions during the first trimester were also reported. Congenital abnormali ties or malformations were not observed. Sandostatin should only be prescribed to pregnant woman if absolutely necessary.

Breast-feeding

in human milk. Animal studies have shown ex- wave changes - were observed in acromecretion of octreotide in the breast milk. Women should not breast-feed while undergoing treatment with Sandostatin.

Fertilit

It is not known whether octreotide has an effect on human fertility. Octreotide did not impair fertility in male and female rats at doses of up to 1 mg/kg body weight per day (see "Preclinical data").

Effects on the ability to drive and to use machines

No data are available on the effect of Sandostatin on the ability to drive and to use machines

Adverse effects

In clinical studies, the most commonly reported adverse effects following administration of octreotide were diarrhoea, abdominal pain, nausea, flatulence, headache, cholelithiasis, hyperglycaemia and constipation.

Gastrointestinal disorders and nutrition effects may resemble acute intestinal obstruction with progressive abdominal distension, tenderness.

with long-term octreotide therapy there is no ies or in the post-marketing period with octevidence to date that this results in nutritional deficiency due to malabsorption.

Gastrointestinal adverse effects can be attenuated by allowing as long an interval as possible between administration and mealtimes, i.e. by giving injections between meals or at bedtime

linoma because it inhibits GH and glucagon transient delayed growth of offspring (see contractility and decrease bile secretion, which may lead to gallbladder abnormalities or

Note: Patients who are to self-administer the and for a greater length of time. Such patients There are no adequate and well-controlled the formation of biliary sludge. The incidence stones in patients treated with Sandostatin are largely asymptomatic; symptomatic stones

Pancreatitis

In very rare cases, acute pancreatitis has ment with Sandostatin.

Cardiac disorders

Bradycardia is a common adverse effect of somatostatin analogue treatment. ECG changes – such as QT prolongation, axis shifts, early repolarisation, low voltage, R/S transition, ear-It is not known whether octreotide is excreted ly R wave progression and non-specific ST-T galic and carcinoid patients. The relationship of these events to octreotide has not been definitively established because many of the patients in question had underlying heart disease (see "Warnings and Precautions").

> Hypersensitivity and analphylactic reactions There have been post-marketing reports of hypersensitivity and allergic reactions. These were mainly associated with skin reactions; rarely, the mouth and respiratory tract were affected. Isolated cases of anaphylactic shock have been reported.

Thrombocytopenia

There have been post-marketing reports of thrombocytopenia, particularly during treatment with Sandostatin (i.v.) in patients with liver cirrhosis. The thrombocytopenia was reversible after discontinuation of treatment.

Administration-site reactions

Local reactions to Sandostatin include paraesthesia, pain, stinging or burning at the site of s.c. injection with redness and swelling. Such In rare instances, gastrointestinal adverse symptoms do not normally last more than 15 minutes and can be attenuated by allowing the Sandostatin solution to reach room temperasevere epigastric pain and painful abdominal ture prior to injection or by injecting a smaller volume in a more concentrated solution.

reotide are listed below by MedDRA system organ class and frequency. The frequency is ranked using the following convention: 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 (primarily based on spontaneous post-marketing reports; precise frequency cannot be estimated).

Blood and lymphatic system disorders Not known: Thrombocytopenia.

Gastrointestinal disorders Very common: Diarrhoea (26.1%), abdominal pain (24.2%), nausea (14.3%), flatulence (14.2%), constipation (12.7%). Common: Dyspepsia, vomiting, abdominal distension, steatorrhoea, discoloured faeces. Unknown: acute pancreatitis Hepatobiliary disorders Very common: Cholelithiasis (12.0%). Common: Increased transaminases, hyperbilirubinaemia, cholecystitis. Not known: Increased blood alkaline phospha-

cholestasis

ders

Skin and subcutaneous tissue disorders Common: Pruritus, skin rash, alopecia. Not known: Urticaria.

ditions Very common: Injection site reactions (10 to 30% depending on the dose and injection interval, e.g. pain, paraesthesia, ervthema). Common: Asthenia

Overdose

A limited number of accidental overdoses of Sandostatin have been reported in adults and eficial effect on various clinical features by tumour (e.g. flush) may also respond. 2,400 to 6,000 µg/day, administered by ity Sandostatin may bring about appreciable levels in some patients. continuous infusion (100 to 250 µg/hour) or improvement in patients who, despite other subcutaneously (1.500 µg t.i.d.). The symptoms reported were arrhythmia, hypotension. cardiac arrest, brain hypoxia, pancreatitis, hepatitis steatosis, diarrhoea, weakness, lethargy, weight loss, hepatomegaly and lactic

acidosis In children, the doses ranged from 50 to tumours 3.000 µg/day, administered by continuous in- Carcinoid tumours only reported adverse effect. No unexpected adverse effects have been re- be a fall in plasma serotonin and reduced uri- ing insulin.

Immune system disorders

Not known: Hypersensitivity reactions (including anaphylactoid reactions). Endocrine disorders

Common: Hypothyroidism, thyroid dysfunction (e.g. decreased TSH, decreased total T4 and decreased free T4).

Metabolism and nutrition disorders Very common: Hyperglycaemia (10.8%). Common: Hypoglycaemia, impaired glucose tolerance, decreased appetite. Uncommon: Dehydration.

Nervous system disorders Very common: Headache (12.4%). Common: Dizziness.

Cardiac disorders Common: Bradycardia

Uncommon: Tachycardia Not known: Arrhythmias.

Respiratory, thoracic and mediastinal disor-

Common: Dysphoea.

tase, increased gamma glutamyl transferase jaundice, cholestasis, cholestatic jaundice, cholestatic hepatitis, acute hepatitis with

General disorders and administration site con-

ported in cancer patients receiving s.c. doses nary excretion of 5-hydroxyindole acetic acid. GRFomas divided doses. Treatment

The management of overdosage is symptom

Properties/Actions ATC code: H01CB02

atic

Mechanism of action/Pharmacodynamics Sandostatin is a synthetic octapeptide derivasimilar pharmacological effects but a considsystem

In animals, octreotide is a more potent inhiband glucagon suppression.

In healthy volunteers Sandostatin has been shown to inhibit:

- GH release in response to arginine, exercise, or insulin-induced hypoglycaemia.
- gon in response to arginine.
- release of thyroid-stimulating hormone hormone (TRH).

In contrast to somatostatin, octreotide inhibits does not cause rebound hypersecretion of hormones (e.g. GH in acromegalic patients). In acromegalic patients, Sandostatin lowers about half of the cases.

shrinkage.

treatment (surgery, hepatic artery embolisaorouracil]), suffer from severe tumour-related

symptoms.

apeutic efficacy.

VIPomas

overproduction of vasoactive intestinal peptide (VIP). vere secretory diarrhoea, is relieved in most the size of the enlarged pituitary gland. cases by treatment with Sandostatin with contive of naturally occurring somatostatin, with sequent improvement in quality of life. Fluid and electrolyte disturbances (e.g. hypokalae- In patients undergoing pancreatic surgery, hormone (GH) and of peptide hormones of electrolyte replacement can be withdrawn. the gastroenteropancreatic (GEP) endocrine CT scan has indicated slowing or arrest of tumour growth – or even shrinkage – in some creatitis). patients, particularly those with liver metastaitor of GH, glucagon and insulin release than ses. Clinical improvement is usually accompasomatostatin is, with greater selectivity for GH nied by reduction - or even normalisation - of nlasma VIP levels

Glucagonomas

In most cases, there is substantial improvement in the necrotic migratory rash which is characteristic of this condition. Sandostatin postprandial release of insulin, glucagon, has little effect on the slight diabetes mellitus gastrin and other peptides of the GEP sys- to which glucagonoma patients are prone, tem and the secretion of insulin and gluca- and there is normally no reduction in the required dosage of insulin or oral hypoglycaemic agents. Diarrhoea, where present, responds, (TSH) in response to thyrotropin-releasing resulting in weight gain. Sandostatin frequently brings about an immediate reduction in plasma glucagon. This effect is not sustained GH secretion preferentially over insulin and as treatment continues, although symptoms continue to improve.

Gastrinomas / Zollinger-Ellison syndrome plasma levels of GH and IGF-1. These levels Treatment with proton pump inhibitors or fall by 50% or more in up to 90% of patients. H2-receptor blockers cannot always prevent with a reduction in serum GH to < 5 ng/ml in the recurrent peptic ulceration which results from chronic gastrin-stimulated hypersecre-In most patients, there is a marked improve-tion of gastric acid and does not alleviate diarment in clinical manifestations such as head- rhoea, which may be prominent. In such cases, ache, skin and soft tissue swelling, hyperhi-Sandostatin – either alone or in combination drosis, arthralgia and paraesthesia. In patients with proton pump inhibitors or H_areceptor with a large pituitary adenoma. Sandostatin blockers – may reduce increased gastric acid treatment may result in a degree of tumour secretion and induce an improvement in the clinical manifestations (including diarrhoea) in In patients with functional tumours of the GEP up to 50% of cases. Other manifestations asendocrine system, Sandostatin exerts a ben- sumed to be due to peptide production by the children. In adults, the doses ranged from virtue of its wide spectrum of endocrine activ- Sandostatin produces a fall in plasma gastrin

is normally of short duration (approx. 2 hours). tion in octreotide elimination. In patients with operable tumours, Sandostati Effects of Sandostatin on different types of may be given pre-operatively to help achieve **Preclinical data** and maintain normoglycaemia. Sandostatin fusion (2.1 to 500 µg/hour) or subcutaneously Use of Sandostatin may bring about an im-

of 3,000 to 30,000 µg Sandostatin per day in It is recommended that treatment be discontinued after one week if there is a lack of ther-growth-hormone-releasing factor (GRF) alone or in conjunction with other biologically active peptides. In one of two cases studied, Sandostatin treatment resulted in clinical im-The biochemical feature of these tumours is provement of the resulting symptoms of acromegaly. This effect is probably due to reduced production of GRF and inhibition of GH secre-The condition, which is characterised by se- tion, possibly accompanied by a reduction in

Complications following pancreatic surgery erably longer duration of action. It inhibits the mia) associated with this diarrhoea also impathologically increased secretion of growth prove, so that enteral and parenteral fluid and the incidence of typical post-operative complications (e.g. pancreatic fistula, abscess followed by sepsis, acute post-operative pan-

Reding gastro-oesophageal varices

A clinical study has shown that use of Sandostatin in combination with sclerotherapy in the management of bleeding gastro-oesophageal varices secondary to cirrhosis resulted in improved control of bleeding and of early rebleeding, a reduction in transfusion requirements and an increase in the rate of survival at day 5. The precise mechanism of action of Sandostatin in this indication remains unclear, although it has been suggested that Sandostatin may inhibit splanchnic blood flow by inhibiting vasoactive hormones such as VII and glucagon.

Pharmacokinetics Absorption

Octreotide is rapidly and completely absorbed after s.c. injection. Peak plasma concentrations are reached within 30 minutes.

Distribution

The volume of distribution is 0.27 litres/ kg and the total body clearance is 160 ml/ minute. Plasma protein binding is 65%. The amount of octreotide bound to blood cells is freeze. Protect from light. very small

Elimination

The elimination half-life after s.c. administration is 100 minutes. After i.v. injection, the elimination is biphasic, with half-lives of 10 and 90 minutes. Most of the peptide is eliminated via the faeces, while approximately 32% is excreted unchanged into the urine.

Pharmacokinetics in special populations Renal impairment: Renal impairment had no effect on total exposure (AUC) to subcutaneously administered octreotide

tion, chemotherapy [e.g. streptozocin or 5-flu- Although Sandostatin causes a reduction in Hepatic impairment: Cirrhosis of the liver, but circulating immunoreactive insulin, this effect not fatty liver, is associated with a 30% reduc-

Mutagenicity may bring about an improvement in blood-sug-Octreotide and/or its metabolites did not display any mutagenic potential in vitro. (50 to 100 ug). Mild hyperglycaemia was the provement in symptoms, in particular flush with inoperable benign or malignant tumours, In vivo studies did not show any clastogenic I.v. infusion: Parenteral drugs should be visuand diarrhoea. In some cases, there may also even without a sustained reduction in circulat- activity in the bone marrow of mice treated ally examined for discoloration and particulate with octreotide i.v. (micronucleus test) or any matter prior to administration.

evidence of genotoxicity in male mice (DNA Sandostatin (octreotide acetate) remains (vezze

Carcinogenicity/chronic toxicity

In rats, local tumours were observed at the injection site, a species-specific reaction, They were attributed to disordered fibroplasia produced by sustained irritant effects at the njection sites and exacerbated by the vehicle. Endometrial adenocarcinomas were reported in a carcinogenicity study in rats. The available data clearly indicate that the findings of endocrine-mediated tumours in rats are species-specific and are not relevant for the use of the drug in humans.

Reproductive toxicity

Reproductive and development toxicity studies have been performed in rats and rabbits at doses of up to 1 mg/kg body weight per day. Octreotide did not impair fertility in male and female rats. There was no evidence of teratogenic, embryofetal or other reproduction effects due to octreotide. Some delay in the physiological growth was noted in the offspring of rats which was transient and most likely attributable to GH inhibition brought about by excessive pharmacodynamic activity. In pre- and post-natal development studies. late testicular descent was observed in male offspring of maternal animals treated during pregnancy and lactation. However, the fertility of the F1 offspring was normal. It is assumed that these observations concerning inhibited growth are caused by octreotide.

Other information

Note Keep out of the reach of children

Shelf life

Do not use after the expiry date (= EXP) print-for Novartis Pharma AG, Basle, Switzerland ed on the pack.

Special precautions for storage

Store in a refrigerator (2 to 8°C). Do not For day-to-day use, the ampoules and vials may be stored for up to 2 weeks at temperatures not above 30°C and 25°C, respectively.

Instructions for use and handling

S.c. administration: The doctor or healthcare professional must give precise instructions to patients who will be administering the drug to themselves by s.c. injection.

To reduce injection site pain, it is recommended that the solution for injection be allowed to reach room temperature. Repeated injection at short intervals at the same site should be avoided

Ampoules should not be opened until immediately prior to use. Any remaining solution which is not needed should be discarded. To avoid contamination, it is recommended that the cap of multiple-dose containers should not be pierced more than 10 times.

physically and chemically stable for 24 hours in sterile physiological saline or a sterile 5% dextrose solution (glucose). Nevertheless, the use of physiological saline rather than glucose is recommended because Sandostatin can nfluence glucose homoeostasis. The diluted solutions remain physically and chemically stable for 24 hours at temperatures below 25°C. but they should be used immediately for reasons of microbial purity. The user must store the solution at 2 to 8°C if it is not used immediately. The solution must be allowed to reach room temperature before administration. The total time between reconstitution, dilution with infusion media, storage in a refrigerator and completion of administration must not exceed 24 hours

In cases where Sandostatin is administered intravenously, the contents of one 0.5 mg ampoule are normally dissolved in 60 ml physiological saline and the resulting solution is infused using an infusion pump. This procedure is maintained until the end of the prescribed duration of treatment. Sandostatin has also been infused at lower concentrations.

Pack sizes

1 ml ampoules: Packs containing five 0.05 mg/ml ampoules. 1 ml ampoules: Packs containing five 0.1 mg/ ml ampoules. 1 ml ampoules: Packs containing five 0.5 mg/ ml ampoules. 5 ml vials containing 0.2 mg/ml: Packs of 1 vial Not All Pack Sizes are Marketed

Manufacturer:

Novartis Pharma Stein AG, Stein, Switzerland

Information last revised

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Novartis Pharma AG, Basle, Switzerland

This is a medicament

- A medicament is a product which affects vour health, and its consumption contrary to instructions is dangerous for you.
- Follow strictly the doctor's prescription, the method of use and the instructions of the
- pharmacist who sold the medicament. The doctor and the pharmacist are experts in medicine, its 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.

Keep medicaments out of reach of children

Council of Arab Health Ministers Union of Arab Pharmacists