

Targocid® Injection

Teicoplanin

[sanofi logo]

NAME OF THE MEDICINAL PRODUCT

Targocid 200mg powder for solution for injection/infusion or oral solution

PHARMACEUTICAL FORM

Powder for solution for injection/infusion or oral solution

Powder for solution for injection/infusion or oral solution: spongy ivory coloured homogeneous mass

CLINICAL PARTICULARS

Therapeutic indications

Targocid is indicated in adults and in children from birth for the parenteral treatment of the following infections:

- Infective endocarditis
- bacteraemia that occurs in association with any of the indications listed, sepsis/ septicaemia
- joint and bone infections
- lower respiratory tract infections (pneumonia)
- Skin and soft tissue infections
- Complicated urinary tract infections (urosepsis)
- peritonitis related to continuous ambulatory peritoneal dialysis (CAPD)

Targocid is also indicated in adults as an alternative oral treatment for *Clostridium difficile* infection associated diarrhoea and colitis (CDAD).

Where appropriate, teicoplanin should be administered in combination with other antibacterial agents.

Consideration should be given to official guidance on the appropriate use of antibacterial agents.

Posology and method of administration (parenteral use)

Posology

The dose and duration of treatment should be adjusted according to the underlying type and severity of infection and clinical response of the patient, and patient factors such as age and renal function.

Measurement of serum concentrations

Teicoplanin trough serum concentrations should be monitored at steady state after completion of the loading dose regimen in order to ensure that a minimum trough serum concentration has been reached:

- For most Gram-positive infections, teicoplanin trough levels of at least 10 mg/L when measured by High Performance Liquid Chromatography (HPLC), or at least 15 mg/L when measured by Fluorescence Polarization Immunoassay (FPIA) method.
- For endocarditis and other severe infections, teicoplanin trough levels of >15 mg/L when measured by HPLC, or >20 mg/L when measured by FPIA method.

During maintenance treatment, teicoplanin trough serum concentrations monitoring may be performed at least once a week to ensure that these concentrations are stable.

Adult or elderly patients with normal renal function:

Indications	Loading dose		Maintenance dose	
	Loading dose regimen	Targeted trough concentrations at day 3 to 5	Maintenance dose	Targeted trough concentrations during maintenance
<ul style="list-style-type: none"> - Complicated skin and soft tissue infections - Pneumonia - Complicated urinary tract infections 	6 mg/kg body weight every 12 hours for 3 intravenous or intramuscular administrations	>15 mg/L ¹	6 mg/kg body weight intravenous or intramuscular once a day	>15 mg/L ¹ once a week
<ul style="list-style-type: none"> - Bone and joint infections 	12 mg/kg body weight every 12 hours for 3 to 5 intravenous administrations	>20 mg/L ¹	12 mg/kg body weight intravenous or intramuscular once a day	>20 mg/L ¹
<ul style="list-style-type: none"> - Infective endocarditis 	12 mg/kg body weight every 12 hours for 3 to 5 intravenous administrations	≥ 20 mg/L ¹	12 mg/kg body weight intravenous or intramuscular once a day	>20 mg/L ¹

¹ Measured by FPIA

The dose is to be adjusted according to the bodyweight of the patient.

Duration of treatment

The duration of treatment should be decided based on the clinical response. For infective endocarditis a minimum of 21 days is usually considered appropriate.

Combination therapy

Teicoplanin has a limited spectrum of antibacterial activity (Gram positive). It is not suitable for use as a single agent for the treatment of some types of infections unless the pathogen is already documented and known to be susceptible or there is a high suspicion that the most likely pathogen(s) would be suitable for treatment with teicoplanin.

Elderly population

No dose adjustment is required, unless there is renal impairment (see below).

Adults and elderly patients with renal insufficiency

Dosage adjustment is not required until the fourth day of Targocid treatment, at which time dosing should be adjusted to maintain a serum trough concentration of at least 10 mg/L.

After the fourth day of treatment

- In mild and moderate renal insufficiency (creatinine clearance between 30 - 80 ml/min: Targocid dose should be halved, either by administering the initial unit dose every two days, or by administering half of this dose once a day.
- In severe renal insufficiency (creatinine clearance less than 30 ml/min), and in haemodialysed patients: Targocid dose should be one third of the normal either by administering the initial unit dose every third day, or by administering one third of this dose once a day.

Teicoplanin is not removed by dialysis.

Patients in continuous ambulatory peritoneal dialysis (CAPD)

After a single loading i.v. dose of 6 mg/kg bodyweight, 20mg/L is administered in the bag of the dialysis solution in the first week, 20mg/L in alternate bags in the second week, and then 20mg/L in the overnight dwell bag in the third week.

Children

The dose recommendations are the same in adults and children above 12 years of age.

Neonates and infants up to the age of 2 months

One single loading dose of 16 mg/kg body weight, administered by infusion on the first day of treatment followed on subsequent days by maintenance doses of

one single dose of 8 mg/kg body weight administered intravenously by infusion once a day. The dose should be infused over thirty minutes.

Children (2 months to 12 years)

Loading dose

One single loading dose of 10 mg/kg body weight administered intravenously every 12 hours, repeated 3 times.

Maintenance dose

One single dose of 6-10 mg/kg body weight administered intravenously once a day.

Administration

The reconstituted Targocid injection should be administered directly either intravenously or intramuscularly. The intravenous injection may be administered either as a bolus over 3 to 5 minutes or as a 30-minute infusion.

Only the infusion method should be used in neonates.

Severity of illness and infection site need to be considered in selecting teicoplanin doses.

Posology and method of administration (oral use)

Clostridium difficile infection-associated diarrhoea and colitis (CDAD)

The reconstituted Targocid injection should be administered orally. The recommended dose in adults is 100-200 mg administered twice a day for 7 to 14 days. The dose and duration of treatment should be adjusted according to the severity of infection and clinical response of the patient.

Contraindications

Hypersensitivity to teicoplanin.

Special warnings and precautions for use

Hypersensitivity reactions

Serious, life-threatening hypersensitivity reactions, sometimes fatal, have been reported with teicoplanin (e.g. anaphylactic shock). If an allergic reaction to teicoplanin occurs, treatment should be discontinued immediately and appropriate emergency measures should be initiated.

Teicoplanin must be administered with caution in patients with known hypersensitivity to vancomycin, as crossed hypersensitivity reactions, including fatal anaphylactic shock, may occur.

However, a prior history of the “Red Man Syndrome” that can occur with vancomycin is not a contraindication to Targocid.

Infusion related reactions

In rare cases (even at the first dose), red man syndrome (a complex of symptoms including pruritus, urticaria, erythema, angioneurotic oedema, tachycardia, hypotension, dyspnoea) has been observed.

Stopping or slowing the infusion may result in cessation of these reactions. Infusion related reactions can be limited if the daily dose is not given via bolus injection but infused over a 30-minute period.

Severe bullous reactions

Life-threatening or even fatal cutaneous reactions Stevens-Johnson syndrome (SJS) and Toxic Epidermal Necrolysis (TEN) have been reported with the use of teicoplanin. If symptoms or signs of SJS or TEN (e.g. progressive skin rash often with blisters or mucosal lesions) are present teicoplanin treatment should be discontinued immediately.

Spectrum of antibacterial activity

Teicoplanin has a limited spectrum of antibacterial activity (Gram-positive). It is not suitable for use as a single agent for the treatment of some types of infections unless the pathogen is already documented and known to be susceptible or there is a high suspicion that the most likely pathogen(s) would be suitable for treatment with teicoplanin.

The rational use of teicoplanin should take into account the bacterial spectrum of activity, the safety profile and the suitability of standard antibacterial therapy to treat the individual patient. On this basis it is expected that in most instances teicoplanin will be used to treat severe infections in patients for whom standard antibacterial activity is considered to be unsuitable.

Loading dose regimen

Since data on safety are limited, patients should be carefully monitored for adverse reactions when teicoplanin doses of 12 mg/kg body weight twice a day are administered. Under this regimen blood creatinine values should be monitored in addition to the recommended periodic haematological examination.

Teicoplanin should not be administered by intraventricular use.

Thrombocytopenia

Thrombocytopenia has been reported with teicoplanin, especially at higher doses than those usually recommended. It is advisable for periodic haematological studies to be performed during treatment, including complete cell blood count.

Nephrotoxicity

Renal failure has been reported in patients treated with teicoplanin. Serial renal and auditory function tests should be undertaken in the following circumstances:

- prolonged treatment in patients with renal insufficiency.
- concurrent and sequential use of other drugs which may have neurotoxic and/or nephrotoxic properties. These include aminoglycosides, colistin, amphoteric B, cyclosporine, and cisplatin.

However, there is no evidence of synergistic toxicity with combinations with Targocid.

Since teicoplanin is mainly excreted by the kidney, dosage must be adapted in patients with renal impairment (see section *Posology and method of administration*).

Ototoxicity

As with other glycopeptides, ototoxicity (deafness and tinnitus) has been reported in patients treated with teicoplanin. Patients who develop signs and symptoms of impaired hearing or disorders of the inner ear during treatment with teicoplanin should be carefully evaluated and monitored, especially in case of prolonged treatment and in patients with renal insufficiency. Patients receiving teicoplanin in conjunction with or sequentially with other medicinal products with known neurotoxic/ototoxic potential (aminoglycosides, ciclosporin, cisplatin, furosemide and ethacrynic acid) should be carefully monitored and the benefit of teicoplanin evaluated if hearing deteriorates.

Special precautions must be taken when administering teicoplanin in patients who require concomitant treatment with ototoxic and/or nephrotoxic medicinal products for which it is recommended that regular haematology, liver and kidney function tests are carried out.

Superinfection

As with other antibiotics, the use of teicoplanin, especially if prolonged, may result in overgrowth of non-susceptible organisms. If superinfection occurs during therapy, appropriate measures should be taken.

Interactions

No specific interaction studies have been performed.

Teicoplanin and aminoglycoside solutions are incompatible and must not be mixed for injection; however, they are compatible in dialysis fluid and may be freely used in the treatment of CAPD-related peritonitis. Teicoplanin should be used with care in conjunction with or sequentially with other medicinal products with known nephrotoxic or ototoxic potential. These include aminoglycosides, colistin, amphotericin B, ciclosporin, cisplatin, furosemide, and ethacrynic acid.

However, there is no evidence of synergistic toxicity in combinations with teicoplanin.

In clinical studies, teicoplanin has been administered to many patients already receiving various medications including other antibiotics, antihypertensives, anaesthetic agents, cardiac medicinal products and antidiabetic agents without evidence of adverse interaction.

Paediatric population

Interaction studies have only been performed in adults.

Fertility, pregnancy and lactation

Pregnancy

There are a limited amount of data from the use of teicoplanin in pregnant women. Studies in animals have shown reproductive toxicity at high doses: in rats there was an increased incidence of stillbirths and neonatal mortality. The potential risk for humans is unknown.

It is recommended that Targocid should not be used during confirmed or presumed pregnancy unless a physician considers that the potential benefits outweigh any possible risk. A potential risk of inner ear and renal damage to the foetus cannot be excluded.

Breast-feeding

It is unknown whether teicoplanin is excreted in human milk. There is no information on the excretion of teicoplanin in animal milk. A decision on whether to continue/discontinue breast-feeding or to continue/discontinue therapy with teicoplanin should be made taking into account the benefit of breast-feeding to the child and the benefit of teicoplanin therapy to the mother.

Fertility

Animal reproduction studies have not shown evidence of impairment of fertility.

Effects on ability to drive and use machines

Targocid has minor influence on the ability to drive and use machines. Teicoplanin can cause dizziness and headache. The ability to drive or use machines may be affected. Patients experiencing these undesirable effects should not drive or use machines.

Side-effects

Tabulated list of adverse reactions

In the table below all the adverse reactions, which occurred at an incidence greater than placebo and more than one patient are listed 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 (cannot be estimated from the available data).

Within each frequency grouping, undesirable effects are presented in order of decreasing seriousness.

Adverse reactions should be monitored when teicoplanin doses of 12 mg/kg body weight twice a day are administered.

System organ class	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 available data)
Infections and infestations			Abscess		Superinfection (overgrowth of non-susceptible organisms)
Blood and the lymphatic system disorders		Leucopenia, thrombocytopenia, eosinophilia			Agranulocytosis, neutropenia
Immune system disorders		Anaphylactic reaction (anaphylaxis) (see section <i>Special warning and precautions for use</i>)			Drug reaction with eosinophilia and systemic symptoms (DRESS), anaphylactic shock (see section <i>Special warning and precautions for use</i>)
Nervous system disorders		Dizziness, headache			Seizures
Ear and Labyrinth disorders		Deafness, hearing loss (see section <i>Special warning and precautions for use</i>), tinnitus, vestibular disorder			
Vascular disorders		Phlebitis			Thrombophlebitis
Respiratory, thoracic and mediastinal disorders		Bronchospasm			
Gastro-intestinal disorders		Diarrhoea, vomiting, nausea			

System organ class	Common (≥1/100 to <1/10)	Uncommon (≥1/1,000 to <1/100)	Rare (≥1/10,000 to <1/1,000)	Very rare (<1/10,000)	Not known (cannot be estimated from available data)
Skin and subcutaneous tissue disorders	Rash, erythema, pruritus		Red man syndrome (e.g. Flushing of the upper part of the body) (see section <i>Special warning and precautions for use</i>).		Toxic epidermal necrolysis, Stevens-Johnson syndrome, erythema multiforme, angioedema, dermatitis exfoliative, urticaria (see section <i>Special warning and precautions for use</i>)
Renal and urinary disorders		Blood creatinine increased			Renal failure (including renal failure acute)
General disorders and administration site conditions	Pain, pyrexia				Injection site abscess, chills (rigors)
Investigations		Transaminases increased (transient abnormality of transaminases), blood alkaline phosphatase increased (transient abnormality of alkaline phosphatase), blood creatinine increased (transient rise of serum creatinine)			

Overdosage

Targocid is not removed by haemodialysis and only slowly by peritoneal dialysis. Cases of accidental administration of excessive doses to paediatric patients have been reported. Treatment of overdosage should be symptomatic. Several overdoses of 100 mg/kg/day have been administered in error to two neurotropic pediatric patients aged 4 and 8 years. Despite high plasma concentrations of teicoplanin up to 300 mg/L, there were no symptoms or laboratory abnormalities. In one case, agitation occurred in a 29-day-old newborn who had been administered 400 mg intravenously (95 mg/kg).

PHARMACEUTICAL PROPERTIES

Pharmacodynamic properties

Mechanism of action

Teicoplanin inhibits the growth of susceptible organisms by interfering with cell-wall biosynthesis at a site different from that affected by beta-lactams. Peptidoglycan synthesis is blocked by specific binding to D alanyl-D-alanine residues.

Mechanism of resistance

Resistance to teicoplanin can be based on the following mechanisms:

- Modified target structure: this form of resistance has occurred particularly in *Enterococcus faecium*. The modification is based on exchange of the terminal D-alanine-D-alanine function of the amino-acid chain in a murein precursor with D-Ala-D-lactate, thus reducing the affinity to vancomycin. The responsible enzymes are a newly synthesised D-lactate dehydrogenase or ligase.
- The reduced sensitivity or resistance of staphylococci to teicoplanin is based on the overproduction of murein precursors to which teicoplanin is bound.

Cross resistance between teicoplanin and the glycoprotein vancomycin may occur. A number of vancomycin-resistant enterococci are sensitive to teicoplanin (Van-B phenotype).

Susceptibility testing breakpoints

The MICs breakpoints according to the European Committee on Antimicrobial Susceptibility Testing (EUCAST), version 3.1, February 11, 2013 are displayed in the following table:

Microorganism	Susceptible	Resistant
<i>Staphylococcus aureus</i> ^a	≤2 mg/L	>2 mg/L
Coagulase-negative staphylococci ^a	≤4 mg/L	>4 mg/L
<i>Enterococcus</i> spp.	≤2 mg/L	>2 mg/L
<i>Streptococcus</i> spp. (A, B, C, G) ^b	≤2 mg/L	>2 mg/L
<i>Streptococcus pneumoniae</i> ^b	≤2 mg/L	>2 mg/L
Viridans group streptococci ^b	≤2 mg/L	>2 mg/L
Gram-positive anaerobes except <i>Clostridium difficile</i> PK/PD (Non-species related) breakpoints ^{c,d}	IE IE	IE IE

^a Glycopeptide MICs are method dependent and should be determined by broth microdilution (reference ISO 20776). *S. aureus* with vancomycin MIC values of 2 mg/L are on the border of the wild type MIC distribution and there may be an impaired clinical response. The resistance breakpoint for *S. aureus* has been reduced to 2 mg/L to avoid reporting of GISA isolates intermediate as serious infections with GISA isolates are not treatable with increased doses of vancomycin or teicoplanin.

^b Isolates with MIC values above the susceptible breakpoint are very rare or not yet reported. The identification and antimicrobial susceptibility tests on any such isolate must be repeated and if the result is confirmed the isolate must be sent to a reference laboratory. Until there is evidence regarding clinical response for confirmed isolates with MIC above the current resistant breakpoint they should be reported resistant.

^c IE indicates that there is insufficient evidence that the species in question is a good target for therapy with the drug.

^d A MIC with a comment but without an accompanying S, I or R categorisation may be reported.

Pharmacokinetic/Pharmacodynamic relationship

Teicoplanin antimicrobial activity depends essentially on the duration of time during which the substance level is higher than the minimum inhibitory concentration (MIC) of the pathogen.

Susceptibility

The prevalence of resistance may vary geographically and over time for selected species and local information on resistance is desirable, particularly when treating severe infections. As necessary, expert advice should be sought when the local prevalence of resistance is such that the utility of the agent in at least some of types of infections is questionable

Commonly susceptible species

Aerobic Gram-positive bacteria

Corynebacterium jeikeium^a

Enterococcus faecalis

Staphylococcus aureus (including methicillin-resistant strains)

Streptococcus agalactiae

Streptococcus dysgalactiae subsp. *equisimilis*^a

(Group C & G streptococci)

Streptococcus pneumoniae

Streptococcus pyogenes

Streptococci in the viridans group^{a b}

Anaerobic Gram-positive bacteria

Clostridium difficile^a

Peptostreptococcus spp^a

Species for which acquired resistance may be a problem

Aerobic Gram-positive bacteria

Enterococcus faecium

Staphylococcus epidermidis

Staphylococcus haemolyticus

Staphylococcus hominis

Inherently resistant bacteria

All Gram-negative bacteria

Other bacteria

Chlamydia spp.

Chlamydophila spp.

Legionella pneumophila

Mycoplasma spp.

Note:

^a No current data were available when the tables were published. The primary literature, standard volumes and treatment recommendations assume sensitivity

^b Collective term for a heterogeneous group of streptococcus species. Resistance rate can vary depending on the actual streptococcus species

Pharmacokinetic properties

Absorption

Teicoplanin is administered by parenteral route (intravenously or intramuscularly). After intramuscular administration, the bioavailability of teicoplanin (as compared to intravenous administration) is almost complete (90%). After six daily intramuscular administrations of 200 mg the mean (SD) maximum teicoplanin concentration (C_{max}) amounts to 12.1 (0.9) mg/L and occurs at 2 hours after administration.

After a loading dose of 6 mg/kg administered intravenously every 12 hours for 3 to 5 administrations, C_{max} values range from 60 to 70 mg/L and C_{trough} are usually above 10 mg/L. After an intravenous loading dose of 12 mg/kg administered every 12 hours for 3 administrations, mean values of C_{max} and C_{trough} are estimated to be around 100 mg/L and 20 mg/L, respectively.

After a maintenance dose of 6 mg/kg administered once daily C_{max} and C_{trough} values are approximately 70 mg/L and 15 mg/L, respectively. After a maintenance dose of 12 mg/kg once daily C_{trough} values range from 18 to 30 mg/L.

When administered by oral route teicoplanin is not absorbed from the gastrointestinal tract. When administered by oral route at 250 or 500 mg single dose to healthy subjects, teicoplanin is not detected in serum or urine but only recovered in feces (about 45% of the administered dose) as unchanged medicinal product.

Distribution

The binding to human serum proteins ranges from 87.6 to 90.8% without any variation in function of the teicoplanin concentrations. Teicoplanin is mainly bound to human serum albumin. Teicoplanin is not distributed in red cells.

The volume of distribution at steady-state (V_{ss}) varies from 0.7 to 1.4 L/kg. The highest values of V_{ss} are observed in the recent studies where the sampling period was superior to 8 days.

Teicoplanin distributed mainly in lung, myocardium and bone tissues with tissue/serum ratios superior to 1. In blister fluids, synovial fluid and peritoneal fluid the tissue/serum ratios ranged from 0.5 to 1. Elimination of teicoplanin from peritoneal fluid occurs at the same rate as from serum. In pleural fluid and subcutaneous fat tissue the tissue/serum ratios are comprised between 0.2 and 0.5. Teicoplanin does not readily penetrate into the cerebrospinal fluid (CSF).

Biotransformation

Unchanged form of teicoplanin is the main compound identified in plasma and urine, indicating minimal metabolism. Two metabolites are formed probably by hydroxylation and represents 2 to 3% of the administered dose.

Elimination

Unchanged teicoplanin is mainly excreted by urinary route (80% within 16 days) while 2.7% of the administered dose is recovered in feces (via bile excretion) within 8 days following administration.

Elimination half-life of teicoplanin varies from 100 to 170 hours in the most recent studies where blood sampling duration is about 8 to 35 days.

Teicoplanin has a low total clearance in the range of 10 to 14 mL/h/kg and a renal clearance in the range of 8 to 12 mL/h/kg indicating that teicoplanin is mainly excreted by renal mechanisms.

Linearity

Teicoplanin exhibited linear pharmacokinetics at dose range of 2 to 25 mg/kg.

Special populations

- Renal impairment:

As teicoplanin is eliminated by renal route, teicoplanin elimination decreases according to the degree of renal impairment. The total and renal clearances of teicoplanin depends on the creatinine clearance.

- Elderly patients:

In the elderly population the teicoplanin pharmacokinetics is not modified unless in case of renal impairment.

- Paediatric population

A higher total clearance (15.8 mL/h/kg for neonates, 14.8 mL/h/kg for a mean age 8 years) and a shorter elimination half-life (40 hours neonates; 58 hours for 8 years) are observed compared to adult patients.

Preclinical safety data

Following repeated parenteral administration to the rat and dog, effects on the kidney were observed and were shown to be dose-dependent and reversible. Studies to investigate the potential to cause ototoxicity in the guinea-pig indicate that a mild impairment of cochlear and vestibular function is possible, in the absence of morphological damage.

Subcutaneous administration of teicoplanin at up to 40 mg/kg/day did not affect male and female fertility in the rat. In embryofetal development studies, no malformations were observed following subcutaneous administration of up to 200 mg/kg/day in the rat and intramuscular administration up to 15 mg/kg/day in the rabbit. However, in the rat, there was an increased incidence of stillbirths at doses of 100 mg/kg/day and above and neonatal mortality at 200 mg/kg/day. This effect was not reported at 50 mg/kg/day. A peri and postnatal study in rats showed no effects on the fertility of the F1 generation or on the survival and development of the F2 generation following subcutaneous administration of up to 40 mg/kg/day.

Teicoplanin did not show any potential to cause antigenicity (in mice, guinea-pigs or rabbits), genotoxicity or local irritancy.

PHARMACEUTICAL PARTICULARS

List of excipients

Sodium chloride

Sodium hydroxide (for pH adjustment)

Incompatibilities

Teicoplanin and aminoglycoside are incompatible when mixed directly and must not be mixed before injection.

If teicoplanin is administered in combination therapy with other antibiotics, the preparation must be administered separately.

Special precautions for disposal and other handling

In keeping with good clinical and pharmaceutical practice reconstituted vials of Targocid should be used immediately and any unused portion discarded. On the few occasions when changing circumstances make this impracticable reconstituted solutions should be kept at 4°C and discarded within 24 hours.

The reconstituted solution may be injected directly, or orally administered (for CDAD indication only), or alternatively diluted with:

- 0.9% Sodium Chloride Injection.

- Compound Sodium Lactate Injection (Ringer-Lactate Solution, Hartmanns Solution).
- 5% Dextrose Injection.
- 10% Dextrose Injection.
- 0.18% Sodium Chloride and 4% Dextrose Injection.
- 0.45% sodium chloride and 5% glucose solution
- Peritoneal dialysis solution containing 1.36 or 3.86% Dextrose.

Vials of dry Targocid should be stored below 30°C and protected from heat.

Packaging Quantities

Targocid 200mg: Combined pack of one vial providing 200mg teicoplanin and one ampoule containing Water for Injections.

Shelf-life

3 years

Manufacturer

Sanofi S.p.A
Via Valcanello, 4
03012 Anagni (FR)
Italy

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References:

UK SmPC (December 2017)
CCDS v3