

Very high serum concentrations can lead to death.

The thiocyanate intoxication can be avoided when the dosing instructions are observed. In case of thiocyanate intoxication, the infusion of this drug should be discontinued and, if necessary, thiocyanate should be removed from the body via dialysis.

Reporting of side effects

If you get any side effects, talk to your doctor, nurse or pharmacist. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the Yellow Card Scheme, website: www.mhra.gov.uk/yellowcard or search for MHRA Yellow Card in the Google Play or Apple App Store. By reporting side effects, you can help provide more information on the safety of this medicine.

5. How to store Sodium Nitroprusside

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

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

Keep the vials in the outer carton in order to protect from light.

Expiration date after reconstitution

Protect the ready-to-use preparation from light by using coloured syringes and hoses.

The in-use stability (chemical and physical in-use stability) of the solution for infusion has been demonstrated 24 hours at 25 °C ± 2 °C when protected from light (when a Perfusor light-protective syringe is used).

From a microbiological point of view (such as bacterial growth), the solution for infusion should be used immediately. If not used immediately, in-use storage times and conditions prior to use are the responsibility of the user and would normally not be longer than 24 hours at 25 °C ± 2 °C, unless reconstitution/ dilution has taken place under controlled and validated conditions.

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

6. Contents of the pack and other information

What Sodium Nitroprusside contains

- The active substance is sodium nitroprusside. Each vial contains 50 mg sodium nitroprusside dihydrate, equivalent to 44 mg anhydrous sodium nitroprusside.
- The other ingredient (excipient) is water for injections.

What Sodium Nitroprusside looks like and contents of the pack

Clear reddish-brown solution for infusion in 2 mL amber-coloured glass vials with a rubber stopper and aluminium-plastic overseal.

Pack size: each carton contains 1 vial of 2 mL.

A light-protecting sleeve is included in the unit pack for overwrapping the infusion bag containing the solution for infusion with added sodium nitroprusside solution.

Marketing Authorisation Holder and Manufacturer

Marketing Authorisation Holder

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Sodium Nitroprusside 50 mg/2 mL Concentrate For Solution For Infusion
PLGB 57592/0025
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barcode
25*10mm



overwrapped with the light-protective sleeve included in the unit packs.

Chemical and physical in-use stability of the solution for infusion has been demonstrated for 24 hours at 25 °C ± 2 °C, when protected from light (using a light-protective Perfusor syringe). From a microbiological point of view, the solution for infusion should be used immediately. If not used immediately, the storage time and conditions prior to use are the responsibility of the user and should not be longer than 24 hours at 25 °C ± 2 °C, unless dilution has taken place at controlled and validated conditions.

The solution for infusion is clear colourless to faint brownish. Strongly coloured solutions for infusion must not be used. Additional drugs must not be added to the ready-to-use solution for infusion. The safest way to administer the solution for infusion is via a separate venous catheter to prevent an accumulation of active substances in the tube system or in peripheral veins.

Perfusor (see also dosing Table 1)

When using a perfusor, add 2.0 mL of Sodium Nitroprusside to 48 mL of a 5% glucose solution to obtain 50 mL of a 1 mg/mL solution of sodium nitroprusside. 48 mL of the 5% glucose solution is first drawn up into a 50 mL Perfusor syringe. Then 2.0 mL of the Sodium Nitroprusside is added to the Perfusor syringe using a 2 mL syringe. To prevent overdoses, the content of the perfusor syringe must be homogeneously mixed by **shaking**.

Infusomat (see also Table 2)

When using an infusomat, 2.0 mL of solution from one vial of Sodium Nitroprusside is injected into 250 mL or 500 mL of a 5% glucose solution. For controlled intraoperative hypotension, the dilution in 250 mL is recommended. The dose conversion is detailed in the dosage table (Table 1). The infusion rates indicated in Table 1 in mL per hour are multiplied by a factor 5 when diluting in 250 mL of glucose solution, and with a factor 10 when diluting in 500 mL. To prevent a high fluid load, the perfusor is the preferred method for prolonged infusions.

Any unused medicinal product or waste material should be discarded in accordance with local regulations.

Table 2

Dosage Sodium Sodium Nitroprusside			Dosage sodium thiosulfate 100 mg/mL
Perfusor in 50 mL	Infusomat in 250 mL	Infusomat in 500 mL	Perfusor
1 - 12 mL/h	6 - 60 mL/h	12 - 120 mL/h	1 mL/h
13 - 24 mL/h	61 - 120 mL/h	121 - 240 mL/h	2 mL/h
25 - 36 mL/h	121 - 180 mL/h	241 - 360 mL/h	3 mL/h
37 - 48 mL/h	181 - 240 mL/h	361 - 480 mL/h	4 mL/h

Overdose and other administration errors

Emergency measures, symptoms and antidotes

In case of an acute myocardial infarction, an excessive reduction of aortic pressure bears the risk of a decrease in diastolic coronary perfusion. In case of acute cardiac failure with decreased filling pressures, the cardiac output may continue to drop.

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25*10mm

Tachyphylaxis and rebound phenomenon are possible.

Cyanide intoxication can occur during the treatment with Sodium Nitroprusside. This depends on the duration of treatment and on the dose level. Short-term treatment with sodium nitroprusside dihydrate 2.5 µg/kg/min is safe. By contrast,

- 5 µg/kg/min after 10 hours,
- 10 µg/kg/min after 4 hours and
- 20 µg/kg/min after 1.5 hours

can lead to life-threatening cyanide levels.

Therapeutic countermeasures include reducing the infusion dose or administering an antidote.

In case of cyanide intoxication, 4-Dimethylaminophenol Hydrochloride (4-DMAP) 3 to 4 mg/kg i.v. (produces methaemoglobin) is recommended as a short-acting antidote. This is followed by an infusion of sodium thiosulfate, 50 to 100 mg/kg body weight.

In cases of thiocyanate intoxication, the infusion of sodium nitroprusside should be discontinued and, if necessary, thiocyanate should be removed from the body via dialysis.

For more information, see also “Warnings and precautions for use” as well as “Dosing instructions, method and duration of administration” of the information for healthcare professionals.

Warnings and precautions for use

During the infusion of Sodium Nitroprusside, continuous monitoring of the ECG and, where relevant, of the most important haemodynamic parameters is required. Under surgical conditions, the best way to measure blood pressure is directly via an arterial cannula. In case of infusions administered over several days, blood pressure measurements by a non-invasive technique are sufficient.

Warning

In cases of patients who have previously taken PDE 5 inhibitors, the application of Sodium Nitroprusside should only occur subject to strict risk/benefit consideration.

For PDE 5 inhibitors a significant intensification of the hypotensive effect of Sodium Nitroprusside may occur, if sodium nitroprusside is given in the 24 hours post-dose sildenafil or vardenafil, or 48 hours post-dose tadalafil, depending on the half-life of the PDE 5 inhibitor.

In this case, particularly careful dose titration of Sodium Nitroprusside is required.

For pharmacological, pharmacokinetic and toxicological properties, see section 5 of the SmPC.



GENERAL INFO:

PRODUCT NAME:	Nitroprusside-AFT 50 mg/2 mL
TERRITORY:	ENG
AW VERSION:	v1
CREATION DATE:	29.04.2025

TECHNICAL INFO:

FORMAT (size):	450 x 286
LAETUS (pharma code):	XXXX
FONT + MIN. SIZE:	Helvetica Neue LT W1G 8,5 pt
LEADING:	3 mm

COLOURS: [1]

■ Black

TECH. COLOURS: [1]

■ DieCut