

Saphnelo[®]

Concentrate for solution for infusion
300 mg/2 ml (150 mg/ml)

Summary of the Risk Management Plan (RMP) for Saphnelo[®] (anifrolumab)

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Disclaimer

The Risk Management Plan (RMP) is a comprehensive document submitted as part of the application dossier for market approval of a medicine. The RMP summary contains information on the medicine's safety profile and explains the measures that are taken in order to further investigate and follow the risks as well as to prevent or minimise them.

The RMP summary of Saphnelo® is a concise document and does not claim to be exhaustive.

As the RMP is an international document, the summary might differ from the "Arzneimittelinformation / Information sur le médicament" approved and published in Switzerland, e.g. by mentioning risks occurring in populations or indications not included in the Swiss authorization.

Please note that the reference document which is valid and relevant for the effective and safe use of Saphnelo® in Switzerland is the "Arzneimittelinformation / Information sur le médicament" (see www.swissmedic.ch) approved and authorized by Swissmedic. AstraZeneca AG is fully responsible for the accuracy and correctness of the content of the published summary RMP of Saphnelo®.

PART VI: SUMMARY OF THE RISK MANAGEMENT PLAN FOR ANIFROLUMAB

This is a summary of the RMP for anifrolumab. The RMP details important risks of anifrolumab, how these risks can be minimised, and how more information will be obtained about anifrolumab's risks and uncertainties (missing information).

Anifrolumab's SmPC gives essential information to healthcare professionals on how anifrolumab should be used.

This summary of the RMP for anifrolumab should be read in the context of all this information including the assessment report of the evaluation and its plain-language summary, all which is part of the European Public Assessment Report.

Important new concerns or changes to the current ones will be included in updates of anifrolumab's RMP.

I.1 THE MEDICINE AND WHAT IT IS USED FOR

The indication of anifrolumab is as an add-on therapy for the treatment of adult patients with moderate to severe systemic lupus erythematosus, in addition to standard therapy (see SmPC for full indication). It contains anifrolumab as the active substance and is administered as an IV infusion.

I.2 RISKS ASSOCIATED WITH THE MEDICINE AND ACTIVITIES TO MINIMISE OR FURTHER CHARACTERISE THE RISKS

Important risks of anifrolumab, together with measures to minimise such risks and the proposed studies for learning more about anifrolumab's risks, are outlined below.

Measures to minimise the risks identified for medicinal products can be:

- Specific information, such as warnings, precautions, and advice on correct use, in the SmPC addressed to healthcare professionals;
- Important advice on the medicine's packaging;
- The authorised pack size — the amount of medicine in a pack is chosen so to ensure that the medicine is used correctly;
- The medicine's legal status — the way a medicine is supplied to the patient (eg, with or without prescription) can help to minimise its risks.

Together, these measures constitute routine risk minimisation measures.

Information about adverse reactions is collected continuously and regularly analysed, including in the Periodic Safety Update Report, so that immediate action can be taken as necessary. These measures constitute *routine pharmacovigilance activities*.

If important information that may affect the safe use of anifrolumab is not yet available, it is listed under ‘missing information’ below.

I.2.1 List of important risks and missing information

Important risks of anifrolumab are risks that need special risk management activities to further investigate or minimise the risk, so that the medicinal product can be safely administered. Important risks can be regarded as identified or potential. Identified risks are concerns for which there is sufficient proof of a link with the use of anifrolumab. Potential risks are concerns for which an association with the use of this medicine is possible based on available data, but this association has not been established yet and needs further evaluation. Missing information refers to information on the safety of the medicinal product that is currently missing and needs to be collected (eg, on the long-term use of the medicine).

Table 1 List of important risks and missing information

Important Potential Risks	Malignancy Serious infection
Missing Information	Use in pregnant and breastfeeding women
	Effects on responses to inactivated vaccines

I.2.2 Summary of important risks

Table 2 Important potential risk: Malignancy

Evidence for linking the risk to the medicine	There is a plausible mechanism of action for how anifrolumab may increase the risk of developing malignancy.
Risk factors and risk groups	Patients with SLE are reported to have an increased risk of haematologic malignancies, particularly non-Hodgkin’s lymphoma and leukaemia. In addition, increased risks of cancer of the vulva, lung, thyroid, and possibly liver were suggested (Bernatsky et al 2013). Female patients with SLE also have an increased risk of developing abnormal cervical cytology and squamous intraepithelial lesions.
Risk minimisation measures	Routine risk minimisation measures: SmPC Section Warnings and precautions
Additional pharmacovigilance activities	D3461R00046 - A non-interventional cohort study and meta-analysis on the risk of malignancy in SLE patients receiving anifrolumab. D3461C00009 - A multicentre, randomised, double-blind, placebo-controlled Phase III extension study to characterise the long-term safety and tolerability of anifrolumab in adult subjects with active systemic lupus erythematosus.

SLE Systemic lupus erythematosus; SmPC Summary of Product Characteristics.

Table 3 Important potential risk: Serious infection

Evidence for linking the risk to the medicine	Due to the mechanism of action of anifrolumab, it is plausible that anifrolumab may increase the risk of developing certain serious infections. However, the incidence of serious infection was similar between treatment groups in the controlled Phase II and Phase III clinical studies.
Risk factors and risk groups	The risk factors for serious infection in patients treated with anifrolumab are unknown. Infection is a risk of prolonged immunosuppression and high-dose corticosteroid therapy in patients with SLE, even in the absence of other impairments of host defences. Infection is one of the most common causes of morbidity and mortality among patients with SLE and may contribute to disease exacerbations (Navarra and Leynes 2010). The probability of developing a given disease depends on the risk for exposure to potential pathogens, the virulence of the pathogen, and the level of immunosuppression of the patient.
Risk minimisation measures	Routine risk minimisation measures: SmPC Section Warnings and precautions
Additional pharmacovigilance activities	D3461R00050 - A non-interventional cohort study on the risk of serious infections in systemic lupus erythematosus patients receiving anifrolumab. D3461C00009 - A multicentre, randomised, double-blind, placebo-controlled Phase III extension study to characterise the long-term safety and tolerability of anifrolumab in adult subjects with active systemic lupus erythematosus.

SLE Systemic lupus erythematosus; SmPC Summary of Product Characteristics.

Table 4 Missing information: Use in pregnant and breastfeeding women

Risk minimisation measures	Routine risk minimisation measures: SmPC Section Pregnancy, lactation
Additional pharmacovigilance activities	D3461R00028 - A multiple database study of the use (and safety) of anifrolumab in women with SLE during pregnancy

SLE Systemic lupus erythematosus; SmPC Summary of Product Characteristics.

Table 5 Missing information: Effects on responses to inactivated vaccines

Risk minimisation measures	Routine risk minimisation measures: SmPC Sections Warnings and precautions and Interactions
Additional pharmacovigilance activities	D3461C00023 - Nature of anifrolumab impact on vaccine-emergent immunity in patients with moderately to severely active systemic lupus erythematosus: A multi-centre open label parallel group trial: The NAÏVE study.

SmPC Summary of Product Characteristics.

I.2.3 Post-authorisation development plan

I.2.3.1 Studies that are conditions of the marketing authorisation

There are no studies that are conditions of the marketing authorisation or specific obligation of anifrolumab.

I.2.3.2 Other studies in post-authorisation development plan

Anifrolumab pregnancy study (D3461R00028)

Study title: A multiple database study of the use (and safety) of anifrolumab in women with systemic lupus erythematosus during pregnancy.

Purpose of the study: Systemic lupus erythematosus affects a high proportion of women of child-bearing potential age. However, there is limited information on pregnancy and birth outcomes in women who are exposed to anifrolumab during pregnancy. The objectives of the study are the following:

- To describe pregnancy outcomes (including live births and non-live births) and infant outcomes (including congenital anomalies/birth defects) in pregnancies among women with SLE exposed to anifrolumab anytime during pregnancy, including within 12 weeks of LMP.
- To compare outcomes in pregnancies exposed to anifrolumab among women with SLE with the outcomes in pregnancies not exposed to anifrolumab among women with SLE.
- To compare outcomes in pregnancies exposed to anifrolumab among women with SLE with the outcomes in pregnancies among women without SLE.

Anifrolumab malignancy study (D3461R00046)

Study title: A non-interventional cohort study and meta-analysis on the risk of malignancy in SLE patients receiving anifrolumab.

Purpose of the study: Anifrolumab is a mAb with a novel mechanism of action. In the absence of sufficient data from clinical studies to determine the risk of malignancy, AstraZeneca proposes to conduct a multi-country PASS to assess the 5-year malignancy risk of anifrolumab treatment through secondary data collection. The proposed study has the following objectives:

- To describe the incidence of new malignancies in patients with SLE newly exposed to anifrolumab during a 5-year observation period; overall and by selected covariates and risk factors.
- To compare the incidence of new malignancies in patients with SLE newly exposed to anifrolumab with the incidence in comparable SLE patients exposed to other standard of care (including biologics) regimens.

Anifrolumab serious infections study (D3461R00050)

Study title: A non-interventional cohort study on the risk of serious infections in systemic lupus erythematosus patients receiving anifrolumab.

Purpose of the study: Individuals with SLE have a higher incidence of infections than the general population. AstraZeneca will conduct a non-interventional PASS using multiple data sources, to assess the safety of anifrolumab in SLE patients with a focus on the risk of serious infections within one year of initiation. The study has the following objectives:

- Primary objective: To estimate the incidence of hospitalisations due to serious infection in patients with SLE newly exposed to anifrolumab plus standard of care and the incidence in comparable SLE patients exposed to other standard of care regimen alone (including biologics).
- Secondary objective(s): To estimate the incidence of hospitalisations due to serious infection in patients with SLE newly exposed to anifrolumab plus standard of care and the incidence in comparable SLE patients exposed to other standard of care regimen alone (including biologics) by serious infection type, deaths due to serious infections, and treatment with IV antimicrobials (if available in the data source).

The NAÏVE study (D3461C00023)

Study title: Nature of anifrolumab impact on vaccine-emergent immunity in patients with moderately to severely active Systemic Lupus Erythematosus: A multi-centre open label parallel group trial.

Purpose of the study: To better understand the impact of anifrolumab on vaccination responses, including measuring antibody concentrations; an external partner (Oklahoma Medical Research Foundation) is conducting a study.

The study has the following objectives:

- To compare induction of influenza immunity after receipt of a currently recommended quadrivalent flu shot in 2 groups of patients who enter the trial with moderately to severely active SLE, 10 having initiated anifrolumab at baseline in addition to standard of care, and 10 receiving only standard of care.
- To evaluate the safety and tolerability of influenza vaccine given with or without anifrolumab treatment.

Anifrolumab Phase III long-term extension study (D3461C00009)

Study title: A multicentre, randomised, double-blind, placebo-controlled Phase III extension study to characterise the long-term safety and tolerability of anifrolumab in adult subjects with active systemic lupus erythematosus.

Purpose of the study: The primary objective of the study is to characterise the long-term safety and tolerability of IV anifrolumab. Outcome measures will include rates of malignancy and serious infections.