

Proposed packaging material	
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Changes	MAA – Covers HAQ 15 Sep’25 and QR Code Update for AE Reporting
Name	MMN

SAPHNELO™
Anifrolumab
Concentrate for solution for infusion, 150 mg/mL

▼ This medicinal product is subject to additional monitoring. This will allow quick identification of new safety information. Healthcare professionals are asked to report any suspected adverse reactions. See section 4.8 for how to report adverse reactions.

1. NAME OF THE MEDICINAL PRODUCT

Saphnelo 300 mg concentrate for solution for infusion

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each mL of concentrate for solution for infusion contains 150 mg of anifrolumab.

One vial of 2.0 mL of concentrate contains 300 mg of anifrolumab (150 mg/mL).

Anifrolumab is a human, immunoglobulin G1 kappa (IgG1κ) monoclonal antibody produced in mouse myeloma cells (NS0) by recombinant DNA technology.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Concentrate for solution for infusion (sterile concentrate)

Clear to opalescent, colourless to slightly yellow, pH 5.9 solution.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Saphnelo is indicated as an add-on therapy for the treatment of adult patients with moderate to severe, active autoantibody-positive systemic lupus erythematosus (SLE), despite standard therapy. The safety and efficacy of Saphnelo have not been evaluated in patients with severe active lupus nephritis or severe active central nervous system lupus.

4.2 Posology and method of administration

Treatment should be initiated and supervised by a physician experienced in the treatment of SLE.

Posology

The recommended dose is 300 mg, administered as an intravenous infusion over a 30-minute period, every 4 weeks.

In patients with a history of infusion-related reactions, premedication (e.g., an antihistamine) may be administered before the infusion of anifrolumab (see section 4.4).

Missed dose

If a planned infusion is missed, treatment should be administered as soon as possible. A minimum interval of 14 days should be maintained between doses.

Special populations

Elderly (≥ 65 years old)

No dose adjustment is required. There is limited information in subjects aged ≥ 65 years ($n=20$); no data are available in patients over 75 years of age (see section 5.2).

Renal impairment

No dose adjustment is required. There is no experience in patients with severe renal impairment or end-stage renal disease (see section 5.2).

Hepatic impairment

No dose adjustment is required (see section 5.2).

Paediatric population

The safety and efficacy of Saphnelo in children and adolescents (aged <18 years old) have not yet been established. No data are available.

Method of administration

For intravenous use.

Saphnelo must not be administered as an intravenous push or bolus injection.

Following dilution with sodium chloride 9 mg/mL (0.9%) solution for injection, Saphnelo is administered as an infusion over 30 minutes through an intravenous infusion line containing a sterile, low-protein binding 0.2 to 15 micron in-line or add-on filter.

The infusion rate may be slowed or interrupted if the patient develops an infusion reaction.

Upon completion of the infusion, the infusion set should be flushed with 25 mL sodium chloride 9 mg/mL (0.9%) solution for injection to ensure that all of the solution for infusion has been administered.

Do not co-administer any other medicinal products through the same infusion line.

For instructions on dilution of the medicinal product before administration, see section 6.6.

4.3 Contraindications

Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.

4.4 Special warnings and precautions for use

Traceability

In order to improve the traceability of biological medicinal products, the name and the batch number of the administered product should be clearly recorded.

Patient groups excluded from clinical studies

Anifrolumab has not been studied in combination with other biologic therapies, including B-cell-targeted therapies. Therefore, treatment with anifrolumab is not recommended in combination with biologic therapies.

Anifrolumab has not been studied in patients with severe active central nervous system lupus or severe active lupus nephritis (see section 5.1).

Hypersensitivity

Serious hypersensitivity reactions including anaphylaxis have been reported following administration of anifrolumab (see section 4.8).

In the 52-week placebo-controlled clinical trials, serious hypersensitivity reactions (including angioedema) were reported for 0.6% of patients receiving anifrolumab.

In patients with a history of infusion-related reactions and/or hypersensitivity, premedication (e.g., an antihistamine) may be administered before the infusion of anifrolumab (see section 4.2).

If a serious infusion-related or hypersensitivity reaction (e.g., anaphylaxis) occurs, administration of anifrolumab should be interrupted immediately, and appropriate therapy initiated.

Infections

Anifrolumab increases the risk of respiratory infections and herpes zoster (disseminated herpes zoster events have been observed), see section 4.8. SLE patients also taking immunosuppressants may be at higher risk of herpes zoster infections.

In controlled-clinical trials serious and sometimes fatal infections (including pneumonia) occurred, including in patients receiving anifrolumab.

Due to the mechanism of action, anifrolumab should be used with caution in patients with a chronic infection, a history of recurrent infections, or known risk factors for infection. Treatment with anifrolumab should not be initiated in patients with any clinically significant active infection until the infection resolves or is adequately treated. Patients should be instructed to seek medical advice if signs or symptoms of clinically significant infection occur. If a patient develops an infection, or is not responding to standard therapy, they should be closely monitored and careful consideration given to interrupting anifrolumab therapy until the infection resolves.

Studies in patients with a history of primary immunodeficiency have not been conducted.

The placebo-controlled clinical trials excluded patients with a history of active TB or latent TB in whom an adequate course of treatment could not be confirmed. Anti-tuberculosis (anti-TB) therapy should be considered prior to initiation of anifrolumab in patients with untreated latent TB. Anifrolumab should not be administered to patients with active TB.

Immunisations

No data are available on the immune response to vaccines.

Prior to initiating therapy, completion of all appropriate immunisations should be considered according to current immunisation guidelines. Concurrent use of live or attenuated vaccines should be avoided in patients treated with anifrolumab.

Malignancy

The impact of treatment with anifrolumab on the potential development of malignancies is not known. Studies in patients with a history of malignancy have not been conducted; however, patients with squamous or basal cell skin cancers and uterine cervical cancer that had been fully excised or adequately treated were eligible for enrolment in the SLE clinical trials.

In the 52-week placebo-controlled clinical trials, at any dose, malignant neoplasm (including non-melanoma skin cancers) was reported for 1.2% patients receiving anifrolumab, compared to 0.6% patients receiving placebo (exposure-adjusted incidence rate [EAIR]: 1.2 and 0.7 events per 100 patient years (PY), respectively). Malignancies excluding non-melanoma skin cancers were observed in 0.7% and 0.6% of patients receiving anifrolumab and placebo, respectively. In patients receiving anifrolumab, breast and squamous cell carcinoma were the malignancies observed in more than one patient.

Individual benefit-risk should be considered in patients with known risk factors for the development or reoccurrence of malignancy. Caution should be exercised when considering continuing therapy for patients who develop malignancy.

4.5 Interaction with other medicinal products and other forms of interaction

No interaction studies have been performed.

Anifrolumab is not expected to undergo metabolism by hepatic enzymes or renal elimination.

The formation of some CYP450 enzymes is suppressed by increased levels of certain cytokines during chronic inflammation. Anifrolumab modestly suppresses the levels of some cytokines; the impact on CYP450 activity is unknown. In patients who are being treated with other medicines that are CYP substrates with a narrow therapeutic index, where the dose is individually adjusted (e.g., warfarin), therapeutic monitoring is recommended.

Immune response

Concomitant administration of anifrolumab with vaccines has not been studied (see section 4.4).

4.6 Fertility, pregnancy and lactation

Pregnancy

There are limited data (less than 300 pregnancy outcomes) from the use of Saphnelo in pregnant women.

Animal studies are inconclusive with respect to reproductive toxicity (see section 5.3).

Saphnelo is not recommended during pregnancy and in women of childbearing potential not using contraception, unless the possible benefit justifies the potential risk.

Breast-feeding

It is not known whether anifrolumab is excreted in human milk. Anifrolumab was detected in the milk of female cynomolgus monkeys (see section 5.3).

A risk to the suckling child cannot be excluded.

A decision must be made whether to discontinue breast-feeding or to discontinue from Saphnelo therapy, taking into account the benefit of breast-feeding for the child and the benefit of therapy for the woman.

Fertility

There are no fertility data in humans.

Animal studies show no adverse effects of anifrolumab on indirect measures of fertility (see section 5.3).

4.7 Effects on ability to drive and use machines

Saphnelo has no or negligible influence on the ability to drive and use machines.

4.8 Undesirable effects

Summary of the safety profile

The most commonly reported adverse reactions during anifrolumab treatment were upper respiratory tract infection (34%), bronchitis (11%), infusion-related reaction (9.4%) and herpes zoster (6.1%). The most common serious adverse reaction was herpes zoster (0.4%).

Tabulated list of adverse reactions

Adverse reactions reported from controlled clinical trials and post-marketing data are classified by MedDRA System Organ Class (SOC), see Table 1. Within each SOC, preferred terms are arranged by decreasing frequency and then by decreasing seriousness. Frequencies of occurrence of adverse reactions are defined as: 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 ($< 1/10\,000$) and not known (cannot be estimated from available data).

Table 1 Adverse reactions

MedDRA SOC	MedDRA Preferred Term	Frequency
Infections and infestations	Upper respiratory tract infection*	Very common
	Bronchitis*	Very common
	Herpes Zoster	Common
	Respiratory tract infection*	Common
Immune system disorders	Hypersensitivity	Common
	Anaphylactic reaction	Uncommon [§]
Musculoskeletal and connective tissue disorders	Arthralgia	Not known
Injury, poisoning and procedural complications	Infusion related reaction	Common

* Grouped terms: Upper respiratory tract infection (including Upper respiratory tract infection, Nasopharyngitis, Pharyngitis); Bronchitis (including Bronchitis, Bronchitis viral, Tracheobronchitis); Respiratory tract infection (including Respiratory tract infection, Respiratory tract infection viral, Respiratory tract infection bacterial).

[§] See 'Description of selected adverse reactions' below and section 4.4.

Long-term safety

Patients who completed Trials 1 and 2 (Phase III feeder trials) through Week 52 were eligible to continue on treatment in a randomised, double-blind, placebo-controlled long-term extension (LTE) for an additional 3 years (see section 5.1). The overall long-term safety profile of anifrolumab was consistent with the 52-week trials.

Description of selected adverse reactions

Hypersensitivity and infusion-related reactions

The incidence of hypersensitivity reactions was 2.8% in the anifrolumab group and 0.6% in the placebo group. All hypersensitivity reactions were reported within the first 6 infusions. Hypersensitivity reactions were predominantly mild to moderate in intensity and did not lead to discontinuation of anifrolumab therapy. One serious adverse reaction of hypersensitivity was reported during the patient's first infusion; the patient continued to receive anifrolumab with premedication given for subsequent infusions.

In the SLE development program, anaphylactic reaction was reported for 0.1% (1/837) of patients; the event occurred following the administration of 150 mg anifrolumab, the patient was treated and recovered (see section 4.4).

The incidence of infusion-related reactions was 9.4% in the anifrolumab group and 7.1% in the placebo group. Infusion-related reactions were mild or moderate in intensity (the most common symptoms were headache, nausea, vomiting, fatigue, and dizziness); none were serious, and none led to discontinuation of anifrolumab. Infusion-related reactions were most commonly reported at the start of treatment, on the first and second infusions, with fewer reports on subsequent infusions.

Respiratory infections

Reporting rates for anifrolumab compared to placebo were; upper respiratory tract infection (34.4% vs 23.2%), bronchitis (10.7% vs 5.2%) and respiratory tract infection (3.3% vs 1.5%). Infections were predominantly non-serious, mild or moderate in intensity and resolved without discontinuation of anifrolumab therapy (see section 4.4).

Herpes zoster

In the 52 week clinical trials the incidence of herpes zoster infections was 6.1% in the anifrolumab group and 1.3% in the placebo group (see section 4.4), the mean time to onset was 139 days (range 2-351 days). Subsequently, in the LTE incidence rates decreased over time.

Herpes zoster infections were predominantly of localised cutaneous presentation, mild or moderate in intensity and resolved without discontinuation of anifrolumab therapy. Cases with multidermatomal involvement and cases of disseminated disease (including central nervous system involvement) have been reported (see section 4.4).

Immunogenicity

In the Phase III trials, treatment-emergent anti-drug antibodies were detected in 6 out of 352 (1.7%) patients treated with anifrolumab at the recommended dosing regimen during the 60-week study period.

In the Phase III LTE (years 2 through 4 on treatment), treatment-emergent anti-drug antibodies were detected in an additional 5 patients treated with anifrolumab.

Due to methodological limitations, the clinical relevance of these findings is not known.

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions at Pusat Farmakovigilans/MESO Nasional Direktorat Pengawasan Keamanan, Mutu, dan Ekspor Impor Obat, Narkotika, Psikotropika, Prekursor, dan Zat Adiktif Badan Pengawas Obat dan Makanan (e-meso.pom.go.id).

4.9 Overdose

In clinical trials, doses of up to 1 000 mg have been administered intravenously in patients with SLE with no evidence of dose limiting toxicities.

There is no specific treatment for an overdose with anifrolumab. If overdose occurs, the patient should be treated supportively with appropriate monitoring as necessary.

5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Immunosuppressants, Monoclonal antibodies, ATC code: L04AG11

Mechanism of action

Anifrolumab is a human immunoglobulin G1 kappa monoclonal antibody that binds to subunit 1 of the type I interferon receptor (IFNAR1) with high specificity and affinity. This binding inhibits type I IFN signalling thereby blocking the biologic activity of type I IFNs. Anifrolumab also induces the internalisation of IFNAR1, thereby reducing the levels of cell surface IFNAR1 available for receptor assembly. Blockade of receptor mediated type I IFN signalling inhibits IFN responsive gene expression as well as downstream inflammatory and immunological processes. Inhibition of type I IFN blocks plasma cell differentiation and normalises peripheral T-cell subsets, restoring the balance between adaptive and innate immunity that is dysregulated in SLE.

Pharmacodynamic effects

In adult patients with SLE, administration of anifrolumab at doses ≥ 300 mg, via intravenous infusion every 4 weeks, demonstrated consistent neutralisation ($\geq 80\%$) of a 21 gene type I interferon pharmacodynamic (PD) signature in blood. This suppression occurred as early as 4 weeks post-treatment and was either maintained or further suppressed over the 52-week treatment period. Following withdrawal of anifrolumab at the end of the 52-week treatment period in the SLE clinical trials, the type I IFN PD signature in blood samples returned to baseline levels within 8 to 12 weeks. Anifrolumab 150 mg IV showed $<20\%$ suppression of the gene signature at early timepoints, that reached a maximum of $<60\%$ by the end of the treatment period.

In SLE patients with positive anti-dsDNA antibodies at baseline, treatment with anifrolumab 300 mg led to numerical reductions in anti-dsDNA antibodies over time through Week 52.

In patients with low complement levels (C3 and C4), increases in complement levels were observed in patients receiving anifrolumab through Week 52.

Clinical efficacy

The safety and efficacy of anifrolumab were evaluated in two 52-week treatment period, multicentre, randomised, double-blind, placebo-controlled, Phase III studies (Trial 1 [TULIP 1] and Trial 2

[TULIP 2]). Patients were diagnosed with SLE according to the American College of Rheumatology (1997) classification criteria.

All patients were ≥ 18 years of age and had moderate to severe disease, with a SLE Disease Activity Index 2000 (SLEDAI-2K) score ≥ 6 points, organ level involvement based on British Isles Lupus Assessment Group (BILAG) assessment, and a Physician's Global Assessment [PGA] score ≥ 1 , despite receiving standard SLE therapy consisting of either one or any combination of oral corticosteroids (OCS), antimalarials and/or immunosuppressants at baseline. With the exception of OCS (prednisone or equivalent) where tapering was a component of the protocol, patients continued to receive their existing SLE therapy at stable doses during the clinical trials. Patients who had severe active lupus nephritis and patients who had severe active central nervous system lupus were excluded. The use of other biologic agents and cyclophosphamide were not permitted during the clinical trials. Patients receiving other biologic therapies were required to complete a wash-out period of at least 5 half-lives prior to enrolment. Both studies were conducted in North America, Europe, South America and Asia. Patients received anifrolumab or placebo, administered by intravenous infusion, every 4 weeks.

Trial 1 (N=457) and Trial 2 (N=362) were similar in design.

In Trial 1 the primary endpoint was SLE Responder Index (SRI-4) response, defined as meeting each of the following criteria at Week 52 compared with baseline:

- Reduction from baseline of ≥ 4 points in the SLEDAI-2K;
- No new organ system affected as defined by 1 or more BILAG A or 2 or more BILAG B items compared to baseline;
- No worsening from baseline in the lupus disease activity defined by an increase ≥ 0.30 points on a 3-point PGA visual analogue scale (VAS);
- No use of restricted medication beyond the protocol-allowed thresholds;
- No discontinuation of treatment.

In Trial 2 the primary endpoint was British Isles Lupus Assessment Group based Composite Lupus Assessment (BICLA) response at Week 52, defined as improvement in all organ domains with moderate or severe activity at baseline:

- Reduction of all baseline BILAG A to B/C/D and baseline BILAG B to C/D, and no BILAG worsening in other organ systems, as defined by ≥ 1 new BILAG A or ≥ 2 new BILAG B;
- No worsening from baseline in SLEDAI-2K, where worsening is defined as an increase from baseline of >0 points;
- No worsening from baseline in lupus disease activity, where worsening is defined by an increase ≥ 0.30 points on a 3-point PGA VAS;
- No use of restricted medication beyond the protocol-allowed thresholds;
- No discontinuation of treatment.

The secondary efficacy endpoints included in both studies included maintenance of OCS reduction and annual flare rate. Both studies evaluated the efficacy of anifrolumab 300 mg versus placebo.

Patient demographics were generally similar in both trials; the median age was 41.3 and 42.1 years (range 18-69), 4.4% and 1.7% were ≥ 65 years of age, 92% and 93% were female, 71% and 60% were White, 14% and 12% were Black/African American, and 5% and 17% were Asian, in Trials 1 and 2 respectively. In both trials, 72% of patients had high disease activity (SLEDAI-2K score ≥ 10). In Trials 1 and 2 respectively, 47% and 49% had severe disease (BILAG A) in at least 1 organ system and 46% and 47% of patients had moderate disease (BILAG B) in at least 2 organ systems. The most commonly affected organ systems (BILAG A or B at baseline) were the mucocutaneous (Trial 1: 87%, Trial 2: 85%) and musculoskeletal (Trial 1: 89%, Trial 2: 88%) systems.

In Trials 1 and 2, 90% of patients (both trials) were seropositive for anti-nuclear antibodies (ANA), and 45% and 44% for anti-double-stranded DNA (anti-dsDNA) antibodies; 34% and 40% of patients had low C3, and 21% and 26% had low C4.

Baseline concomitant standard therapy medications included oral corticosteroids (Trial 1: 83%, Trial 2: 81%), antimalarials (Trial 1: 73%, Trial 2: 70%) and immunosuppressants (Trial 1: 47%, Trial 2: 48%; including azathioprine, methotrexate, mycophenolate and mizoribine). For those patients taking OCS (prednisone or equivalent) at baseline, the mean daily dose was 12.3 mg in Trial 1 and 10.7 mg in Trial 2. During Weeks 8-40, patients with a baseline OCS ≥ 10 mg/day were required to taper their OCS dose to ≤ 7.5 mg/day, unless there was worsening of disease activity.

For BICLA and SRI(4) response, patients who withdrew from treatment prior to Week 52 were considered non-responders. In Trial 1 and 2 respectively, 35 (19%) and 27 (15%) patients receiving anifrolumab, and 38 (21%) and 52 (29%) patients receiving placebo withdrew from treatment prior to Week 52. The results are presented in Table 2.

Table 2 Efficacy results in adults with SLE in Trial 1 and Trial 2

	Trial 1		Trial 2	
	Anifrolumab 300 mg	Placebo	Anifrolumab 300 mg	Placebo
BICLA response at Week 52*				
Responder rate, % (n/N)	47.1 (85/180)	30.2 (55/184)	47.8 (86/180)	31.5 (57/182)
Difference % (95% CI)	17.0 (7.2, 26.8)		16.3 (6.3, 26.3)	
Components of BICLA response:				
BILAG improvement, n (%) †	85 (47.2)	58 (31.5)	88 (48.9)	59 (32.4)
No worsening of SLEDAI-2K, n (%) †	121 (67.2)	104 (56.5)	122 (67.8)	94 (51.6)
No worsening of PGA, n (%) †	117 (65.0)	105 (57.1)	122 (67.8)	95 (52.2)
No discontinuation of treatment, n (%)	145 (80.6)	146 (79.3)	153 (85.0)	130 (71.4)
No use of restricted medication beyond protocol allowed threshold, n (%)	140 (77.8)	128 (69.6)	144 (80.0)	123 (67.6)
SRI-4 response at Week 52*				
Responder rate, % (n/N) †	49.0 (88/180)	43.0 (79/184)	55.5 (100/180)	37.3 (68/182)
Difference % (95% CI)	6.0 (-4.2, 16.2)		18.2 (8.1, 28.3)	
Sustained OCS reduction ‡				
Responder rate, % (n/N) †	49.7 (51/103)	33.1 (34/102)	51.5 (45/87)	30.2 (25/83)
Difference % (95% CI)	16.6 (3.4, 29.8)		21.2 (6.8, 35.7)	
Flare rate				
Annualised flare rate estimate, (95% CI)	0.57 (0.43, 0.76)	0.68 (0.52, 0.90)	0.43 (0.31, 0.59)	0.64 (0.47, 0.86)
Rate ratio estimate (95% CI)	0.83 (0.61, 1.15)		0.67 (0.48, 0.94)	

BICLA: British Isles Lupus Assessment Group-based Composite Lupus Assessment; BILAG: British Isles Lupus Assessment Group, PGA: Physician's Global Assessment; SLEDAI-2K: Systemic Lupus Erythematosus Disease Activity Index 2000; SRI-4: SLE Responder Index.

All patients received standard therapy.

* BICLA and SRI(4) are based on the composite estimand where treatment discontinuation or restricted medication use are part of the response criteria.

† Patients who discontinued treatment or used restricted medications beyond protocol allowed threshold are considered non-responders.

‡ Subgroup of patients with OCS ≥ 10 mg/day at baseline. Responders were defined as patients with OCS reduction to ≤ 7.5 mg/day at Week 40, maintained through Week 52.

Long-term extension

Patients who completed Trials 1 and 2 (feeder trials) through Week 52 were eligible to continue on treatment in a randomised, double-blind, placebo-controlled, 3-year LTE. Patients who had received anifrolumab, either 150 mg or 300 mg, in Trials 1 and 2 received anifrolumab 300 mg in the LTE. Patients who had received placebo in Trials 1 and 2 were re-randomised 1:1 to receive either anifrolumab 300 mg or placebo, giving an approximate anifrolumab 300 mg: placebo ratio of 4:1 in the LTE.

Long-term efficacy was evaluated in patients who received anifrolumab 300 mg or placebo in a feeder trial and continued to receive the same treatment in the LTE (anifrolumab N=257; placebo N=112). Of these, 69% of patients who received anifrolumab (177/257) and 46% of patients who received placebo (52/112) completed a total of 4 years on treatment. At Week 208, the mean SLEDAI-2K score (SE) was 3.4 (0.25) and 4.0 (0.46) in patients who received anifrolumab (n=140) and placebo (n=44) respectively.

5.2 Pharmacokinetic properties

The pharmacokinetics (PK) of anifrolumab was studied in adult patients with SLE following intravenous doses ranging from 100 to 1 000 mg, once every 4 weeks, and healthy volunteers following a single dose.

Anifrolumab exhibits nonlinear PK in the dose range of 100 mg to 1 000 mg. PK exposure decreased more rapidly at doses lower than 300 mg every 4 weeks (the recommended dose).

Absorption

Anifrolumab is administered by intravenous infusion.

Distribution

Based on population pharmacokinetic analysis, the estimated central and peripheral volumes of distribution for anifrolumab were 2.93 L (with 26.9% CV inter-individual variability) and 3.3 L, respectively for a 69.1 kg patient.

Biotransformation

Anifrolumab is a protein, therefore specific metabolism studies have not been conducted.

Anifrolumab is eliminated by target IFNAR-mediated elimination pathway and reticuloendothelial system where anifrolumab is expected to be degraded, into small peptides and individual amino acids, by proteolytic enzymes that are widely distributed in the body.

Elimination

Due to saturation of IFNAR1-mediated clearance at higher doses, exposure increases are greater-than-dose-proportional.

From population PK modelling the estimated typical systemic clearance (CL) was 0.193 L/day with a 33.0% CV inter-individual variability. The median CL decreases slowly over time, with an 8.4% reduction after 1 year of treatment. Following long-term observations, the clearance of anifrolumab was found to be stable in years 2 through 4 on treatment.

Based on population PK analysis, serum concentrations were below detection in the majority (95%) of patients approximately 16 weeks after the last dose of anifrolumab, when anifrolumab has been dosed for one year.

Special populations

There was no clinically meaningful difference in systemic clearance based on age, race, ethnicity, region, gender, IFN status or body weight that requires dose adjustment.

Elderly patients (≥ 65 years old)

Based on the population PK analysis, age (range 18 to 69 years) did not impact the clearance of anifrolumab; the population PK dataset included 20 (3%) patients ≥ 65 years of age.

Renal impairment

No specific clinical studies have been conducted to investigate the effect of renal impairment on anifrolumab. Based on population PK analyses, anifrolumab clearance was comparable in SLE patients with mild (60-89 mL/min/1.73 m²) and moderate decrease in eGFR (30-59 mL/min/1.73 m²) values and patients with normal renal function (≥ 90 mL/min/1.73 m²). SLE patients with a severe decrease in eGFR or end-stage renal disease (< 30 mL/min/1.73 m²) were excluded from the clinical trials; anifrolumab is not cleared renally.

Patients with UPCR > 2 mg/mg were excluded from the clinical trials. Based on population PK analyses, increased urine protein/creatinine ratio (UPCR) did not significantly affect anifrolumab clearance.

Hepatic impairment

No specific clinical studies have been conducted to investigate the effect of hepatic impairment on anifrolumab.

As an IgG1 monoclonal antibody, anifrolumab is principally eliminated via catabolism and is not expected to undergo metabolism via hepatic enzymes, as such changes in hepatic function are unlikely to have any effect on the elimination of anifrolumab. Based on population pharmacokinetic analyses, baseline hepatic function biomarkers (ALT and AST $\leq 2.0 \times$ ULN, and total bilirubin) had no clinically relevant effect on anifrolumab clearance.

Interactions

Based on population PK analyses, concomitant use of oral corticosteroids, antimalarials, immunosuppressants (including azathioprine, methotrexate, mycophenolate and mizoribine), NSAIDs, ACE inhibitors, HMG-CoA reductase inhibitors did not significantly influence the PK of anifrolumab.

5.3 Preclinical safety data

Non-clinical

Non-clinical data reveal no special hazard for humans based on conventional studies of safety pharmacology or repeated dose toxicity studies in cynomolgus monkeys.

Mutagenicity and carcinogenicity

Anifrolumab is a monoclonal antibody, as such genotoxicity and carcinogenicity studies have not been conducted.

In rodent models of IFNAR1 blockade, increased carcinogenic potential has been observed. The clinical relevance of these findings is unknown.

Reproductive toxicity

Developmental toxicity

In a pre- and postnatal development study, conducted in cynomolgus monkeys, there was an increased incidence of embryo-foetal loss; the incidence of these findings were within historical control values and were not statistically significant. The relevance of these findings to humans is not known. No maternal, or postnatal developmental effects were observed for exposures up to approximately 28-times the maximum recommended human dose (MRHD) on an AUC basis. Based on the available data, a potential effect of anifrolumab on conception and implantation cannot be excluded.

Fertility

Effects on male and female fertility have not been directly evaluated in animal studies. In the 9-month repeat-dose study, there were no anifrolumab-related adverse effects on indirect measures of male or female fertility, based on semen analysis, spermatogenesis staging, menses cycle, organ weights and histopathological findings in the reproductive organs, in cynomolgus monkeys at approximately 58-times the MRHD on an AUC basis.

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Histidine

Histidine hydrochloride monohydrate

Lysine hydrochloride

Trehalose dihydrate

Polysorbate 80

Water for injections

6.2 Incompatibilities

In the absence of compatibility studies, this medicinal product must not be mixed with other medicinal products.

6.3 Shelf life

Unopened vial

3 years.

Diluted solution for infusion

Chemical and physical in-use stability has been demonstrated for 24 hours at 2°C – 8°C and for 4 hours at 25°C.

From a microbiological point of view, the product should be used immediately after dilution. 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 2°C – 8°C.

6.4 Special precautions for storage

Unopened vial

Store in a refrigerator (2°C – 8°C).

Store in the original package in order to protect from light.

Do not freeze or shake.

Diluted solution for infusion

For storage conditions after dilution of the medicinal product, see section 6.3.

6.5 Nature and contents of container

2.0 mL of concentrate in a clear type I glass vial with an elastomeric stopper and a gray flip-off aluminium seal.

Pack size of 1 vial.

6.6 Special precautions for disposal and other handling

Saphnelo is supplied as a single-dose vial. The solution for infusion should be prepared and administered by a healthcare professional, using aseptic technique as follows:

Preparation of solution

1. Visually inspect the vial for particulate matter and discolouration. Saphnelo is a clear to opalescent, colourless to slightly yellow solution. Discard the vial if the solution is cloudy, discoloured or visible particles are observed. Do not shake the vial.
2. Dilute 2.0 mL of Saphnelo solution for infusion in an infusion bag to 50 mL or 100 mL with sodium chloride 9 mg/mL (0.9%) solution for injection.
3. Mix the solution by gentle inversion. Do not shake.
4. Any concentrate remaining in the vial must be discarded.
5. It is recommended that the solution for infusion should be administered immediately after preparation. If the solution for infusion has been stored in a refrigerator (see section 6.3), allow it to reach room temperature (15°C – 25°C) prior to administration.

Disposal

Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

HARUS DENGAN RESEP DOKTER

Dus, 1 vial @ 2 mL (Reg. No : DKIXXXXXXXXXXXXX)

Manufactured by:

AstraZeneca Nijmegen B.V.
Nijmegen - Netherlands

Released by:

AstraZeneca AB
Södertälje - Sweden

Imported by:

PT AstraZeneca Indonesia
Cikarang, Bekasi - Indonesi

Dugaan efek samping produk obat PT. AstraZeneca Indonesia dapat dilaporkan secara online melalui link <http://contactazmedical.astrazeneca.com> atau dengan *scan QR code* berikut:



Pelaporan dugaan efek samping produk kepada PT. AstraZeneca Indonesia tidak menggantikan konsultasi atau penanganan medis oleh dokter. Untuk mendapatkan saran medis, diagnosis, atau pengobatan, tetap konsultasikan keluhan pasien kepada dokter atau tenaga kesehatan profesional.

Pelaporan dugaan efek samping obat juga dapat dikirimkan ke **Pusat Farmakovigilans/MESO Nasional Badan Pengawas Obat dan Makanan (BPOM)** dengan mengisi formulir online: <https://e-meso.pom.go.id/ADR> atau melalui email pv-center@pom.go.id

atau dengan pelaporan langsung yang ditujukan kepada:

PUSAT FARMAKOVIGILANS/MESO NASIONAL

Direktorat Pengawasan Keamanan, Mutu, dan Ekspor Impor Obat, Narkotika, Psikotropika, Prekursor dan Zat Adiktif

Badan Pengawas Obat dan Makanan RI

Jl. Percetakan Negara No. 23

Date of revision text : 05 December 2025

Document number : Working: VV-RIM-07443218; Master: VV-RIM-07443217

Proposed packaging material	
Code	SAPHNELO (150mg)-PIL-01.03
Regulatory Objective	☒ NDA ☐ Renewal ☐ Variation change detail no.: RO-Primary Event-0002694-0000011
Code of previous version	N/A
Reference	☐ CDS version: ☐ CPIL version: ☒ SmPC country/version/date: VV-RIM-04929735 v.9.0 (16 May 2024) ☐ RAM approval:
Changes	MAA – Covers HAQ 15 Sep’25 and QR Code Update for AE Reporting
Name	MMN

Leaflet Informasi Pasien
SAPHNELO™
Larutan konsentrat untuk infus 150 mg/mL
anifrolumab

▼ Obat ini bergantung pada pemantauan tambahan, yang memungkinkan identifikasi informasi keselamatan baru dengan cepat. Anda dapat membantu dengan melaporkan efek samping yang Anda alami. Lihat pada akhir bagian 4 untuk cara melaporkan efek samping.

Baca keseluruhan leaflet ini dengan seksama sebelum Anda menggunakan obat ini karena informasi yang terkandung penting untuk Anda.

- Simpan leaflet ini. Anda mungkin perlu membacanya lagi.
- Jika Anda memiliki pertanyaan lebih lanjut, silakan tanyakan kepada dokter, apoteker, atau perawat.
- Jika Anda mengalami efek samping, konsultasikan dengan dokter, apoteker, atau perawat. Termasuk kemungkinan efek samping yang tidak tercantum dalam leaflet ini. Lihat bagian 4

Informasi yang terkandung dalam leaflet ini

1. SAPHNELO dan kegunaannya
2. Hal yang perlu diketahui sebelum menggunakan SAPHNELO
3. Cara penggunaan SAPHNELO
4. Efek samping yang mungkin terjadi
5. Cara penyimpanan SAPHNELO
6. Isi kemasan dan informasi lainnya

1. SAPHNELO DAN KEGUNAANNYA

Apa itu SAPHNELO dan bagaimana obat bekerja

Saphnelo mengandung zat aktif anifrolumab, suatu ‘antibodi monoklonal’ (sejenis protein khusus yang menempel pada target tertentu di dalam tubuh).

Kegunaan dari SAPHNELO

Saphnelo digunakan untuk mengobati **lupus sedang hingga berat** (Lupus eritematosus sistemik, SLE) pada orang dewasa yang penyakitnya tidak terkontrol dengan baik oleh terapi standar (‘kortikosteroid oral’, ‘imunosupresan’ dan/atau ‘antimalaria’). Keamanan dan efektivitas Saphnelo belum dievaluasi pada pasien dengan lupus nefritis aktif berat atau lupus sistem saraf pusat aktif berat.

Anda akan diberi Saphnelo serta terapi standar untuk lupus.

Lupus adalah suatu penyakit yang mana sistem yang melawan infeksi (sistem kekebalan tubuh) menyerang sel dan jaringan Anda sendiri sehingga menyebabkan inflamasi dan kerusakan organ. Penyakit ini dapat memengaruhi hampir semua organ dalam tubuh, termasuk kulit, persendian, ginjal, otak, dan organ lainnya. Penyakit ini dapat menimbulkan rasa nyeri, ruam, pembengkakan sendi, demam, serta membuat Anda merasa sangat lelah atau lemah.

Cara kerja Saphnelo

Orang yang menderita lupus memiliki kadar protein tinggi yang disebut ‘interferon tipe I’ yang merangsang aktivitas sistem kekebalan tubuh. Anifrolumab menempel pada target (reseptor) yang dikenali protein ini, sehingga menghentikan kerjanya. Dengan memblokir reaksinya seperti ini, maka dapat mengurangi peradangan dalam tubuh yang menyebabkan tanda-tanda lupus.

Manfaat menggunakan Saphnelo

Saphnelo dapat membantu meredakan penyakit lupus dan mengurangi jumlah kekambuhan yang dialami. Jika Anda mengonsumsi obat yang disebut ‘kortikosteroid oral’, penggunaan Saphnelo juga memperbolehkan dokter mengurangi dosis harian kortikosteroid oral yang diperlukan untuk membantu mengendalikan lupus.

2. HAL YANG PERLU DIKETAHUI SEBELUM MENGGUNAKAN SAPHNELO

Anda tidak boleh menggunakan Saphnelo

- jika Anda alergi terhadap anifrolumab atau bahan lain dari obat ini (tercantum dalam bagian 6). Konsultasikan dengan dokter atau perawat bila Anda tidak yakin.

Peringatan dan pencegahan

Konsultasikan dengan dokter atau perawat sebelum Anda diberi Saphnelo:

- jika Anda menduga pernah mengalami **reaksi alergi** terhadap obat ini (lihat bagian ‘Waspada! tanda-tanda reaksi alergi dan infeksi serius’).
- jika Anda terkena infeksi atau memiliki gejala **infeksi** (lihat di bawah pada bagian ‘Waspada! tanda-tanda reaksi alergi dan infeksi serius’).
- jika Anda menderita infeksi jangka panjang atau menderita infeksi yang terus-menerus kambuh.
- jika lupus memengaruhi ginjal atau sistem saraf Anda.
- jika Anda menderita, atau pernah menderita, kanker.
- jika Anda baru saja mendapat imunisasi (vaksin) atau berencana untuk mendapatkannya. Anda tidak boleh diberi jenis vaksin tertentu (vaksin ‘hidup’ atau ‘vaksin hidup yang dilemahkan’) saat sedang menjalani pengobatan ini.
- jika Anda menerima produk obat biologis lain (seperti belimumab untuk lupus).

Jika tidak yakin apakah salah satu hal di atas berlaku pada Anda, konsultasikan dengan dokter atau perawat sebelum Anda diberi Saphnelo.

Waspada! tanda-tanda reaksi alergi dan infeksi serius

Saphnelo dapat menyebabkan **reaksi alergi serius (anafilaksis)** lihat bagian 4. **Segera dapatkan pertolongan medis** jika Anda menduga mengalami reaksi alergi serius. Tanda-tandanya dapat meliputi:

- bengkak pada wajah, lidah, atau mulut
- sesak napas

- merasa akan pingsan, pusing, atau pening (akibat penurunan tekanan darah).

Anda mungkin lebih berisiko terkena **infeksi** saat dirawat dengan Saphnelo. **Beritahu dokter atau perawat sesegera mungkin** jika Anda melihat tanda-tanda kemungkinan infeksi, termasuk:

- demam atau gejala seperti flu
- nyeri otot
- batuk atau merasa sesak napas (ini mungkin tanda-tanda infeksi di saluran pernapasan, lihat bagian 4)
- rasa terbakar saat buang air kecil atau buang air kecil lebih sering dari biasanya
- diare atau sakit perut
- ruam kulit merah yang dapat menyebabkan nyeri dan rasa terbakar (mungkin ini tanda herpes zoster, lihat bagian 4).

Anak-anak dan remaja

Jangan berikan obat ini pada anak-anak dan remaja di bawah usia 18 tahun karena belum diteliti pada kelompok usia ini.

Obat-obatan lain dan Saphnelo

- Beri tahu dokter bila Anda sedang mengonsumsi, baru saja mengonsumsi, atau mungkin mengonsumsi obat lain.
- Beri tahu dokter jika Anda baru-baru ini atau akan menerima vaksinasi. Anda tidak boleh diberi jenis vaksin tertentu saat menggunakan obat ini. Jika Anda tidak yakin, konsultasikan dengan dokter atau perawat sebelum dan selama perawatan dengan Saphnelo.

Kehamilan dan menyusui

Jika Anda sedang hamil atau menyusui, berkemungkinan besar hamil, atau berencana memiliki bayi, mintalah saran pada dokter sebelum mengonsumsi obat ini.

Kehamilan

Belum diketahui apakah Saphnelo dapat membahayakan bayi yang belum lahir.

- **Sebelum Anda mulai diobati dengan Saphnelo, beri tahu dokter jika Anda sedang hamil** atau ada kemungkinan hamil. Dokter akan memutuskan apakah Anda dapat diberi obat ini.
- **Beri tahu dokter jika Anda berencana untuk hamil** saat sedang menjalani pengobatan ini.
- **Jika Anda hamil** saat sedang diobati dengan Saphnelo, beri tahu dokter Anda. Dokter Anda akan mendiskusikan apakah Anda harus berhenti menggunakan obat ini.

Menyusui

- **Sebelum Anda memulai pengobatan dengan Saphnelo, beri tahu dokter jika Anda sedang menyusui.** Tidak diketahui apakah obat ini masuk ke dalam ASI. Dokter akan mendiskusikan apakah Anda harus berhenti menggunakan obat ini saat sedang menyusui, ataukah Anda harus berhenti menyusui.

Menyetir dan mengoperasikan mesin

Kecil kemungkinan obat ini akan memengaruhi kemampuan Anda dalam mengemudi dan mengoperasikan mesin.

3. CARA PENGGUNAAN SAPHNELO

Dokter atau perawat akan memberi Anda Saphnelo.

- Dosis yang dianjurkan adalah 300mg.

- Diberikan melalui infus ke pembuluh darah vena (infus intravena) selama 30 menit.
- Diberikan setiap 4 minggu.

Jika Anda melewatkan janji untuk menerima Saphnelo, segera hubungi dokter secepatnya untuk membuat janji lagi.

Menghentikan pengobatan dengan Saphnelo

Dokter Anda akan memutuskan apakah Anda perlu berhenti menggunakan obat ini.

Jika Anda memiliki pertanyaan lebih lanjut tentang kegunaan obat ini, sampaikan pada dokter Anda atau perawat.

4. EFEK SAMPING YANG MUNGKIN TERJADI

Seperti semua obat, obat ini bisa menimbulkan efek samping, meski tidak semua orang mengalaminya.

Reaksi alergi serius:

Reaksi alergi serius (anafilaksis) jarang terjadi (dapat memengaruhi hingga 1 dari 100 orang). **Segera dapatkan pertolongan medis, atau pergi ke unit gawat darurat terdekat** jika Anda mengalami salah satu tanda reaksi alergi serius berikut ini:

- bengkak pada wajah, lidah, atau mulut;
- sesak napas;
- merasa akan pingsan, pusing, atau pening (akibat penurunan tekanan darah).

Efek samping lain:

Beri tahu dokter atau perawat jika Anda menyadari salah satu dari efek samping berikut.

Sangat umum (bisa dialami lebih dari 1 dari 10 orang)

- infeksi pada hidung atau tenggorokan
- infeksi di dada (*bronkitis*)

Umum (bisa dialami hingga 1 dari 10 orang)

- infeksi pada sinus atau paru-paru
- herpes (*herpes zoster*) - ruam kulit berwarna merah yang terasa sakit dan sensasi terbakar
- reaksi alergi (*hipersensitivitas*)
- reaksi infus - dapat terjadi pada saat diinfus atau segera setelahnya; gejalanya dapat berupa sakit kepala, *mual*, *muntah*, merasa sangat lelah atau lemah (*letih*), dan pusing

Tidak diketahui (frekuensi tidak dapat diperkirakan dari data yang tersedia)

- nyeri sendi (*arthralgia*)

Pelaporan efek samping

Jika Anda mengalami efek samping, konsultasikan pada dokter atau perawat. Termasuk efek samping yang mungkin tidak tercantum dalam leaflet ini. Dengan melaporkan efek samping, Anda dapat membantu memberi informasi lebih lanjut tentang keamanan obat ini.

Dengan melaporkan efek samping, Anda dapat membantu memberi informasi lebih lanjut tentang keamanan obat ini.

5. CARA PENYIMPANAN SAPHNELO

Dokter, perawat, atau apoteker bertanggung jawab untuk menyimpan obat ini. Rincian penyimpanan adalah sebagai berikut:

- Jangan gunakan obat ini setelah tanggal kedaluwarsa yang tertera pada label vial dan dus setelah huruf EXP. Tanggal kedaluwarsa mengacu pada hari terakhir bulan tersebut.
- Simpan obat ini jauh dari pandangan dan jangkauan anak-anak.
- Simpan dalam lemari pendingin (2–8°C).
- Jangan dibekukan atau dikocok.
- Simpan dalam kemasan aslinya untuk melindungi dari cahaya.

6. ISI KEMASAN DAN INFORMASI LEBIH LANJUT

Kandungan Saphnelo

- **Bahan aktifnya** adalah anifrolumab. Tiap botol vial mengandung 300mg anifrolumab.
- **Bahan penyusun lainnya** adalah histidin, histidin hidroklorida monohidrat, lisin hidroklorida, trehalosa dihidrat, polisorbat 80, dan air untuk injeksi.

Bentuk dan Isi kemasan SAPHNELO

Saphnelo tersedia sebagai larutan konsentrat yang bening hingga opal, tidak berwarna hingga agak kuning.

Saphnelo tersedia dalam kemasan berisi 1 botol vial.

Diproduksi oleh :

AstraZeneca Nijmegen B.V.
Nijmegen - Netherlands

Dirilis oleh:

AstraZeneca AB
Södertälje – Sweden

Diimpor oleh:

PT AstraZeneca Indonesia
Cikarang, Bekasi - Indonesia

Nomor Izin Edar : DKIXXXXXXXXXXX

HARUS DENGAN RESEP DOKTER

Dugaan efek samping produk obat PT. AstraZeneca Indonesia dapat dilaporkan secara online melalui link <http://contactazmedical.astrazeneca.com> atau dengan *scan QR code* berikut:



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