

SANCUSO Patch Price Guarantee

Commercially insured patients are guaranteed at least 1 SANCUSO patch per month for \$20°

^a See complete Terms and Conditions (including eligibility restrictions and monthly and annual limits). Please see Program Details inside and at www.sancuso.com.

Important Safety Information

What is SANCUSO (granisetron trandermal system)?

SANCUSO is a prescription medicine used to prevent nausea and vomiting in adults receiving anti-cancer (chemotherapy) treatment that causes moderate or severe vomiting.

SANCUSO is a skin patch (transdermal system) that slowly releases the medicine into your bloodstream while you wear the transdermal system.

It is not known if SANCUSO is safe and effective in children.

Please see additional Important Safety Information throughout this brochure and the accompanying Patient Information in pocket.

SANCUSO Patch Price Guarantee

If you have commercial insurance, you are guaranteed at least 1 patch per month for \$20°



Here's How: Your healthcare professional prescribes the SANCUSO patch, a prescription medicine used to prevent CINV.



Your healthcare professional will submit your prescription information to Patient Rx Solutions, called the "HUB" team, at

www.patientrxsolutions.com
LIVE SUPPORT

PHONE: 1-844-214-3442



If you are eligible, the HUB team will work with your healthcare professional and your commercial insurance provider to help you receive the appropriate number of medically necessary SANCUSO patches that you are allowed to receive for a \$20 out-of-pocket cost.



You can arrange to have SANCUSO shipped directly to your home.

Important Safety Information (continued)

Who should not use SANCUSO?

Do not use SANCUSO if you are allergic to granisetron or any of the ingredients in SANCUSO. See the end of this leaflet for a list of ingredients in SANCUSO.

What should I tell my healthcare provider before using SANCUSO?

Before using SANCUSO, tell your healthcare provider about all of your medical conditions, including if you:

- have pain or swelling in your stomach area (abdomen).
- are pregnant. It is not known if SANCUSO will harm your unborn baby.
 Talk to your healthcare provider if you are pregnant or plan to become pregnant.
- are breastfeeding or plan to breastfeed. It is not known if SANCUSO passes into your breast milk.

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^a See complete Terms and Conditions (including eligibility restrictions and monthly and annual limits). Please see Program Details inside and at www.sancuso.com.



- SANCUSO is a skin patch that slowly releases the medicine contained in the adhesive (glue), through clean and intact skin areas into your bloodstream while you wear the patch. SANCUSO is for skin use only
- One easy application provides up to 5 full days of continuous control of CINV
- Not actual size
 Patch is 52 cm²
 (approx. 2.5 in x 3 in)

Sancuso® (Granisetron Transdermal System)

Keeps you covered

- SANCUSO is the first and only patch approved by the US Food and Drug Administration (FDA) for the prevention of CINV in patients receiving some types of chemotherapy treatment
- SANCUSO provides an alternative to pills or shots to prevent nausea and vomiting caused by chemotherapy

Visit www.sancuso.com to learn more.

Important Safety Information (continued)

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins and herbal supplements. Other medicines may affect how SANCUSO works. SANCUSO may also affect how other medicines work. SANCUSO contains granisetron. Do not take other granisetron containing products with SANCUSO.

Know the medicines you take. Keep a list of them to show your healthcare provider and pharmacist when you get a new medicine.

How should I use SANCUSO?

- Read the Instructions for Use that comes with SANCUSO transdermal system.
- Use SANCUSO exactly as your healthcare provider tells you to.

What should I avoid while using SANCUSO?

Do not apply any heat source over or near the SANCUSO transdermal system.

- A heating pad or heat lamp should not be used where the transdermal system is applied.
- You should avoid long periods of exposure to heat because heat can increase the amount of SANCUSO in your blood.

Avoid sunlight and artificial sunlight. The medicine in SANCUSO may not work as well and may affect your skin if exposed to direct sunlight or artificial sunlight from sunlamps or tanning beds.

- Keep the transdermal system covered with clothing if you will be in direct sunlight or artificial sunlight.
- Keep the skin where SANCUSO was applied covered for another 10 days after the transdermal system is taken off to protect from exposure to direct sunlight or artificial sunlight.



Whether it's co-insurance, copay, high deductible, or some other limit, Patient Rx Solutions will work with your insurance, healthcare professional, and you to provide access to the maximum of 48 medically necessary prescribed patches (up to 4 patches per month).



The SANCUSO Patch Price Guarantee is only for commercially insured patients. If patients require other reimbursement assistance, direct them to www.patientrxsolutions.com to see if they may be eligible for other Patient Assistance Programs.

This offer is not valid for prescriptions under Medicare (including Medicare Advantage, Part A, B, and D Plans), Medicaid, VA, DOD, TRICARE, CHAMPUS, or other federal or state healthcare programs. Patients without commercial insurance shall not be considered eligible patients. If prescription coverage for a SANCUSO patch is denied by the insurance, patient pays the initial \$20 for 1 SANCUSO patch per month.

Kyowa Kirin will pay up to \$605.85 per month (after the patient pays the initial \$20) for up to 4 patches per month and a yearly maximum benefit of \$3,635.10. Kyowa Kirin, Inc. reserves the right to make eligibility determinations, to set Program benefit maximums, to monitor participation, and to change, rescind, revoke, or discontinue the Program at any time without notice. Limit one Program enrollment per individual. Unless otherwise indicated on the submission form, SANCUSO will be dispensed through select ASPN network pharmacy partners; available at participating pharmacies.

This offer is not valid for prescriptions in Massachusetts or in any other state that does not permit co-pay reimbursement consistent with this program. Patients without commercial insurance are not eligible for this program. This offer is subject to change at any time.



An opportunity to save on your SANCUSO prescriptions

If you have commercial insurance, you are guaranteed at least 1 patch per month for a

\$20 out-of-pocket costa

MAXIMUM MONTHLY BENEFIT

\$605.85

Kyowa Kirin will pay up to \$605.85 per month (after you pay the first \$20) MAXIMUM YEARLY BENEFIT

\$3,635.10

For up to 4 patches per month and a yearly maximum benefit of \$3,635.10^a

Ask your healthcare professional today to register you for the SANCUSO Patch Price Guarantee

^aThis offer is not valid for prescriptions under Medicare (including Medicare Advantage, Part A, B and D Plans), Medicaid, VA, DOD, TRICARE, CHAMPUS, or other federal or state healthcare programs. This offer is not valid for prescriptions in Massachusetts or in any other state that does not permit copay reimbursement consistent with this program. Patients without commercial insurance are not eligible for this program. Unless otherwise indicated on submission form, SANCUSO will be dispensed through select ASPN network pharmacy partners; available at participating pharmacies. Kyowa Kirin, Inc. reserves the right to make eligibility determinations, to set Program benefit maximums, to monitor participation, and to change, rescind, revoke, or discontinue the Program at any time without notice.



Important Safety Information (continued)

What are the possible side effects of SANCUSO?

SANCUSO may cause serious side effects, including:

- Using SANCUSO may make it harder to identify certain stomach (abdomen) and bowel problems that are from other causes.
 Tell your healthcare provider if you have any abdominal pain or swelling while using SANCUSO.
- Serotonin Syndrome. A potentially life-threatening problem called serotonin syndrome can happen if you use SANCUSO with certain medicines. Call your healthcare provider or go to the nearest hospital emergency room right away if you have any of the following signs and symptoms of serotonin syndrome:

agitation	sweating	
 seeing or hearing things that are not real 	• flushing (hallucinations)	
• confusion	 high body temperature (hyperthermia) 	
• coma	 shaking (tremors), stiff muscles, or muscle twitching 	
fast heart beat	 loss of coordination 	
 changes in blood pressure 	• seizures	
• dizziness	 nausea, vomiting, diarrhea 	

• Skin reactions. Skin reactions can happen at the transdermal system application site or outside the transdermal system application site. Tell your healthcare provider if you get any redness, rashes, bumps, blisters or itching at or near the transdermal system application site, and especially if they spread outside the place where the transdermal system was applied or if they appear outside the transdermal system application site. You may need to stop using SANCUSO.

The most common side effect of SANCUSO is constipation.

Tell your healthcare provider if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of SANCUSO. For more information, ask your healthcare provider or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

Please see additional Important Safety Information throughout this brochure and the accompanying Patient Information in pocket.





HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use SANCUSO safely and effectively. See full prescribing information for SANCUSO.

SANCUSO (granisetron transdermal system) Initial U.S. Approval: 2008

 INDICATIONS	AND US	AGE	

Sancuso is a serotonin-3 (5-HT₃) receptor antagonist indicated for the prevention of nausea and vomiting in adults receiving moderately and/or highly emetogenic chemotherapy for up to 5 consecutive days. (1)

-----DOSAGE AND ADMINISTRATION-----

The recommended dosage is a single transdermal system applied to the upper outer arm a minimum of 24 hours, up to a maximum of 48 hours, before chemotherapy. The transdermal system should be worn at minimum, 24 hours after chemotherapy is finished. The transdermal system can be worn for up to 7 days. (2)

-----DOSAGE FORMS AND STRENGTHS-----

Transdermal System: 3.1 mg per 24 hours. (3)

-----CONTRAINDICATIONS-----

Known hypersensitivity to granisetron or to any of the components of the transdermal system (4)

-----WARNINGS AND PRECAUTIONS-----

Granisetron may mask a progressive ileus and/or gastric distention; consider before use in patients with abdominal surgery. Monitor for

- decreased bowel activity, particularly in patients with risk factors for gastrointestinal obstruction. (5.1)
- Serotonin syndrome has been reported with 5-HT₃ receptor antagonists
 alone but particularly with concomitant use of serotonergic drugs. If
 such symptoms occur, discontinue Sancuso and initiate supportive
 treatment. If concomitant use of Sancuso with other serotonergic drugs
 is clinically warranted, patients should be aware of a potential increased
 risk of serotonin syndrome. (5.2, 7.1)
- Mild application site reactions have occurred; remove Sancuso transdermal system if severe reactions or a generalized skin reaction occur. (5.3)
- Avoid exposing Sancuso transdermal system and surrounding area to direct external heat sources, such as heating pads (5.4).
- Avoid direct exposure of application site to natural or artificial sunlight, including sunlamps, by covering with clothing throughout the period of wear and for 10 days after removal. (5.5)

-----ADVERSE REACTIONS-----

The most common adverse reaction ($\geq 3\%$) is constipation. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Kyowa Kirin, Inc. at 1-800-SANCUSO (1-800-726-2876) or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.

Revised: 04/2020

FULL PRESCRIBING INFORMATION: CONTENTS*

- 1 INDICATIONS AND USAGE
- 2 DOSAGE AND ADMINISTRATION
- 3 DOSAGE FORMS AND STRENGTHS
- 4 CONTRAINDICATIONS
- 5 WARNINGS AND PRECAUTIONS
- 5.1 Progressive Ileus and Gastric Distention
- 5.2 Serotonin Syndrome
- 5.3 Skin Reactions
- 5.4 Increased Drug Exposure with Use of External Heat Sources
- 5.5 Phototoxicity with Ultraviolet Light Exposure
- 6 ADVERSE REACTIONS
- 6.1 Clinical Trials Experience
- 6.2 Postmarketing Experience
- 7 DRUG INTERACTIONS
- 7.1 Serotonergic Drugs
- 7.2 Concomitant Use Medications
- 8 USE IN SPECIFIC POPULATIONS
 - 8.1 Pregnancy

- 8.2 Lactation
- 8.4 Pediatric Use
- 8.5 Geriatric Use
- 8.6 Renal Impairment or Hepatic Impairment
- 10 OVERDOSAGÉ
- 11 DESCRIPTION
- 12 CLINICAL PHARMACOLOGY
 - 12.1 Mechanism of Action
 - 12.2 Pharmacodynamics
 - 12.3 Pharmacokinetics
- 3 NONCLINICAL TOXICOLOGY
 - 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
- 13.3 Phototoxicity
- 14 CLINICAL STUDIES
- 16 HOW SUPPLIED/STORAGE AND HANDLING
- 17 PATIENT COUNSELING INFORMATION

^{*}Sections or subsections omitted from the full prescribing information are not listed.

FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

Sancuso[®] is indicated for the prevention of nausea and vomiting in adults receiving moderately and/or highly emetogenic chemotherapy regimens of up to 5 consecutive days duration.

2 DOSAGE AND ADMINISTRATION

The recommended dosage is a single transdermal system applied to the upper outer arm a minimum of 24 hours, up to a maximum of 48 hours, before chemotherapy. The transdermal system should be worn at minimum, 24 hours after chemotherapy is finished. The transdermal system can be worn for up to 7 days.

Application and Removal Instructions

- Each transdermal system releases 3.1 mg of granisetron per 24 hours for up to 7 days.
- Each transdermal system is packed in a pouch and should be applied directly after the pouch has been opened.
- Only wear one transdermal system at any time.
- Do not cut the transdermal system.
- Open the pouch and apply the transdermal system to clean, dry, nearly hairless, intact healthy skin on the upper outer arm.
- Do not place Sancuso transdermal system on skin that is red, irritated, or damaged.
- Do not apply a heat pad or heat lamp over or in vicinity of the transdermal system and avoid extended exposure to heat [see Warnings and Precautions (5.4)].
- Cover the application site of the transdermal system with clothing, if there is a risk of exposure to direct natural or artificial sunlight throughout the period of wear and for 10 days following its removal [see Warnings and Precautions (5.5)].
- After the transdermal system is applied, wash hands thoroughly.
- Remove the transdermal system by peeling off gently from the skin.
- Upon removal, fold the transdermal system in half with the sticky side together, and discard in the household trash in a manner that prevents accidental contact or ingestion by children, pets or others.
- Sancuso contains granisetron. Do not use other granisetron-containing products with Sancuso.

3 DOSAGE FORMS AND STRENGTHS

Transdermal System: a 52 cm² thin, translucent, rectangular-shaped transdermal system with rounded corners imprinted on one side with "Granisetron 3.1 mg/24 hours". The transdermal system releases 3.1 mg of granisetron per 24 hours for up to 7 days.

4 CONTRAINDICATIONS

Sancuso is contraindicated in patients with known hypersensitivity to granisetron or to any of the components of the transdermal system [see Description (10)].

5 WARNINGS AND PRECAUTIONS

5.1 Progressive Ileus and Gastric Distention

Sancuso may mask a progressive ileus and/or gastric distention. This should be particularly considered before use of Sancuso in patients who have had recent abdominal surgery. Monitor for decreased bowel activity, particularly in patients with risk factors for gastrointestinal obstruction.

5.2 Serotonin Syndrome

The development of serotonin syndrome has been reported with 5-HT₃ receptor antagonists. Most reports have been associated with concomitant use of serotonergic drugs (e.g., selective serotonin reuptake inhibitors (SSRIs), serotonin and norepinephrine reuptake inhibitors (SNRIs), monoamine oxidase inhibitors, mirtazapine, fentanyl, lithium, tramadol, and intravenous methylene blue). Some of the reported cases were fatal. Serotonin syndrome occurring with overdose of another 5-HT₃ receptor antagonist alone has also been reported. The majority of reports of serotonin syndrome related to 5-HT₃ receptor antagonist use occurred in a postanesthesia care unit or an infusion center.

Symptoms associated with serotonin syndrome may include the following combination of signs and symptoms: mental status changes (e.g., agitation, hallucinations, delirium, and coma), autonomic instability (e.g., tachycardia, labile blood pressure, dizziness, diaphoresis, flushing, hyperthermia), neuromuscular symptoms (e.g., tremor, rigidity, myoclonus, hyperreflexia, incoordination), seizures, with or without gastrointestinal symptoms (e.g., nausea, vomiting, diarrhea). Patients should be monitored for the emergence of serotonin syndrome, especially with concomitant use of Sancuso and other serotonergic drugs. If symptoms of serotonin syndrome occur, discontinue Sancuso and initiate supportive treatment. Patients should be informed of the increased risk of serotonin syndrome, especially if Sancuso is used concomitantly with other serotonergic drugs. [see Drug Interactions (7)].

5.3 Skin Reactions

In clinical trials with Sancuso, application site reactions were reported that were generally mild in intensity and did not lead to discontinuation of use. The incidence of reactions was comparable with placebo.

If severe reactions, or a generalized skin reaction occur (e.g., allergic rash, including erythematous, macular, papular rash or pruritus), remove the Sancuso transdermal system.

5.4 Increased Drug Exposure with Use of External Heat Sources

Prolonged exposure to heat results in increasing plasma concentrations of granisetron during the period of heat exposure [see Clinical Pharmacology (12.3)]. Do not apply a heat pad or heat lamp over or in the vicinity of the Sancuso transdermal system and avoid extended exposure to heat [see Dosage and Administration (2)].

5.5 Phototoxicity with Ultraviolet Light Exposure

Granisetron may be affected by direct natural or artificial sunlight, including sunlamps. An *in vitro* study using Chinese hamster ovary cells suggests that granisetron has the potential for photogenotoxicity [see Nonclinical Toxicology (13.3)]. To avoid a potential skin reaction, advise patients to cover the application site of the transdermal system with clothing if there is a risk of exposure to direct natural or artificial sunlight throughout the period of wear and for 10 days following its removal.

6 ADVERSE REACTIONS

The following are serious or otherwise clinically significant adverse reactions reported in other sections of labeling:

- Progressive ileus and gastric distention [see Warnings and Precautions (5.1)]
- Serotonin syndrome [see Warnings and Precautions (5.2)]
- Skin reactions [see Warnings and Precautions (5.3)]
- Increased drug exposure with use of external heat sources [see Warnings and Precautions (5.4)]
- Phototoxicity with ultraviolet light exposure [se Warnings and Precautions (5.5)]

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

The safety of Sancuso was evaluated in a total of 404 patients undergoing chemotherapy who participated in two double-blind, comparator studies with transdermal system treatment durations of up to 7 days. The control groups included a total of 406 patients who received a daily dose of 2 mg oral granisetron, for 1 to 5 days.

Adverse reactions occurred in 9% (35/404) of patients receiving Sancuso and 7% (29/406) of patients receiving oral granisetron. The most common adverse reaction was constipation that occurred in 5% of patients in the Sancuso group and 3% of patients in the oral granisetron group.

Table 1 lists the adverse reactions that occurred in at least 3% of patients treated with Sancuso or oral granisetron.

Table 1: Incidence of Adverse Reactions in Double-Blind, Active Comparator Controlled Studies in Cancer Patients Receiving Chemotherapy (≥ 3% in either group)

Body System Preferred Term	Sancuso Transdermal System N=404 (%)	Oral granisetron N=406 (%)
Gastrointestinal disorders		
Constipation	5	3
Nervous system disorders		
Headache	1	3

5-HT₃ receptor antagonists, such as granisetron, may be associated with arrhythmias or ECG abnormalities. Three ECGs were performed on 588 patients in a randomized, parallel group, double-blind, double-dummy study: at baseline before treatment, the first day of chemotherapy, and 5 to 7 days after starting chemotherapy. QTcF prolongation greater than 450 milliseconds was seen in a total of 11 (1.9%) patients after receiving granisetron, 8 (2.7%) on oral granisetron, and 3 (1.1%) on the transdermal system. No new QTcF prolongation greater than 480 milliseconds was observed in any patient in this study. No arrhythmias were detected in this study.

Adverse reactions reported in clinical trials with other formulations of granisetron include the following:

Gastrointestinal: abdominal pain, diarrhea, constipation, elevation of ALT and AST levels, nausea and vomiting

Cardiovascular: hypertension, hypotension, angina pectoris, atrial fibrillation and syncope have been observed rarely

Central Nervous System: dizziness, insomnia, headache, anxiety, somnolence and asthenia *Hypersensitivity:* rare cases of hypersensitivity reactions, sometimes severe (e.g. anaphylaxis, shortness of breath, hypotension, urticaria) have been reported

Other: fever; events often associated with chemotherapy have also been reported: leucopenia, decreased appetite, anemia, alopecia, thrombocytopenia.

6.2 Postmarketing Experience

The following adverse reactions have been identified during post approval use of Sancuso. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

General Disorders and Administration Site Conditions: Application site reactions (pain, pruritus, erythema, rash, irritation, vesicles, burn, discoloration, urticaria) [see Warnings and Precautions (5.3)]; transdermal system non-adhesion.

Cardiac Disorders: bradycardia, chest pain, palpitations, sick sinus syndrome

7 DRUG INTERACTIONS

7.1 Serotonergic Drugs

Serotonin syndrome (including altered mental status, autonomic instability, and neuromuscular symptoms) has been described following the concomitant use of 5-HT₃ receptor antagonists and other serotonergic drugs, including selective serotonin reuptake inhibitors (SSRIs) and serotonin and noradrenaline reuptake inhibitors (SNRIs). Monitor for the emergence of serotonin syndrome. If symptoms occur, discontinue Sancuso and initiate supportive treatment [see Warnings and Precautions (5.4)].

7.2 Concomitant Use Medications

There have been no definitive drug-drug interaction studies to examine pharmacokinetic or pharmacodynamic interaction with other drugs. However, in humans, granisetron hydrochloride injection has been safely administered with drugs representing benzodiazepines, neuroleptics and anti-ulcer medications commonly prescribed with antiemetic treatments. Granisetron hydrochloride injection also does not appear to interact with emetogenic cancer therapies. In agreement with these data, no clinically relevant drug interactions have been reported in clinical studies with Sancuso.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Available published data and postmarketing reports with granisetron use in pregnant women have not identified a drug-associated risk of major birth defects, miscarriage, or adverse maternal or fetal outcomes. In a published *ex vivo* human placental perfusion model, no transplacental passage of granisetron was detected at a concentration (5 ng/mL) that mimics the plasma concentration achieved following transdermal application of Sancuso. In animal reproduction studies, no adverse developmental effects were observed in pregnant rats and rabbits administered granisetron hydrochloride during organogenesis at intravenous doses up to 24 times and 16 times, respectively, the maximum recommended human dose delivered by the Sancuso transdermal system, based on body surface area (*see Data*).

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risks of major birth defects and miscarriage in clinically recognized pregnancies are 2-4% and 15-20%, respectively.

In animal reproduction studies, no adverse developmental effects were observed in pregnant rats and rabbits administered granisetron hydrochloride at intravenous doses up to 24 times and 16 times, respectively, the maximum recommended human dose delivered by the Sancuso transdermal system, based on body surface area (*see Data*).

Data

Animal Data

Reproduction studies with granisetron hydrochloride have been performed in pregnant rats at intravenous doses up to 9 mg/kg/day (54 mg/m²/day, about 24 times the recommended human dose delivered by the Sancuso transdermal system, based on body surface area) and oral doses up to 125 mg/kg/day (750 mg/m²/day, about 326 times the recommended human dose with Sancuso based on body surface area). Reproduction studies have been performed in pregnant rabbits at intravenous doses up to 3 mg/kg/day (36 mg/m²/day, about 16 times the human dose with Sancuso based on body surface area) and at oral doses up to 32 mg/kg/day (384 mg/m²/day, about 167 times the human dose with Sancuso based on body surface area). These studies did not reveal any harm to the fetus due to granisetron.

8.2 Lactation

Risk Summary

There are no data on the presence of granisetron in human milk, the effects on the breastfed child, or the effects on milk production. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for Sancuso and any potential adverse effects on the breastfed child from Sancuso or from the underlying maternal condition.

8.4 Pediatric Use

Safety and effectiveness of Sancuso have not been established in pediatric patients.

8.5 Geriatric Use

Clinical studies of Sancuso did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, cautious treatment selection for an elderly patient is prudent because of the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

8.6 Renal Impairment or Hepatic Impairment

Although no studies have been performed to investigate the pharmacokinetics of Sancuso in patients with renal or hepatic impairment, pharmacokinetic information is available for intravenous granisetron [see Clinical Pharmacology (12.3)]. No dosage adjustment is recommended for renal or hepatic impairment.

10 OVERDOSAGE

There is no specific antidote for granisetron overdosage. In the case of overdosage, symptomatic treatment should be given.

11 DESCRIPTION

Sancuso contains granisetron, which is a serotonin-3 (5-HT₃) receptor antagonist. Chemically it is 1-methyl-N-[(1R,3r,5S)-9-methyl-9-azabicyclo[3.3.1]non-3-yl]-1H-indazole-3-carboxamide with a molecular weight of 312.4. Its empirical formula is $C_{18}H_{24}N_4O$, while its chemical structure is:

Granisetron

Granisetron is a white to off-white solid that is insoluble in water. The inactive ingredients are acrylate-vinylacetate copolymer, polyester, titanium dioxide, polyamide resin and polyethylene wax. Sancuso is a 52 cm² thin, translucent, matrix-type transdermal system that is rectangular-shaped with rounded corners, consisting of a backing (polyester), the drug matrix (acrylate-vinylacetate copolymer) and a release liner (siliconized polyester).

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Granisetron is a selective 5-hydroxytryptamine₃ (5-HT₃) receptor antagonist with little or no affinity for other serotonin receptors, including 5-HT₁, 5-HT_{1A}, 5-HT_{1B/C}, 5-HT₂; for alpha₁-, alpha₂-, or beta-adrenoreceptors; for dopamine-D₂; or for histamine-H₁; benzodiazepine; picrotoxin or opioid receptors.

Serotonin receptors of the 5-HT₃ type are located peripherally on vagal nerve terminals and centrally in the chemoreceptor trigger zone of the area postrema. During chemotherapy that induces vomiting, mucosal enterochromaffin cells release serotonin, which stimulates 5-HT₃ receptors. This evokes vagal afferent discharge, inducing vomiting. Animal studies demonstrate that, in binding to 5-HT₃ receptors, granisetron blocks serotonin stimulation and subsequent vomiting after emetogenic stimuli such as cisplatin. In the ferret animal model, a single

granisetron injection prevented vomiting due to high-dose cisplatin or arrested vomiting within 5 to 30 seconds.

12.2 Pharmacodynamics

The effect of granisetron on QTc prolongation was evaluated in a randomized, single-blind, positive (moxifloxacin 400 mg) - and placebo controlled parallel study in healthy subjects. A total of 120 subjects were administered Sancuso transdermal system (n=60) or intravenous granisetron (10 mcg/kg over 30 seconds; n=60). In a study with demonstrated ability to detect small effects, the upper bound of the 90% confidence interval for the largest placebo adjusted, baseline corrected QTc based on Fridericia correction method (QTcF) for Sancuso was below 10 ms. This study suggests that Sancuso does not have significant effects on QT prolongation.

No evidence of an effect on plasma prolactin or aldosterone concentrations has been found in studies using granisetron.

The effect on oro-cecal transit time following application of Sancuso has not been studied. Granisetron hydrochloride injection exhibited no effect on oro-cecal transit time in healthy subjects given a single intravenous infusion of 50 mcg/kg or 200 mcg/kg. Single and multiple oral doses of granisetron hydrochloride slowed colonic transit in healthy subjects.

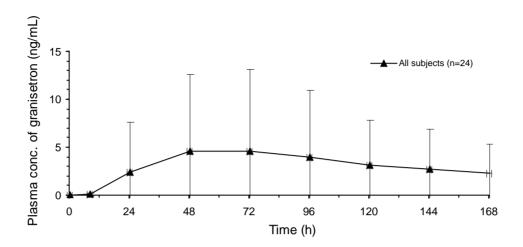
12.3 Pharmacokinetics

Absorption

Granisetron crosses intact skin into the systemic circulation by a passive diffusion process.

Following a 7-day application of Sancuso transdermal system in 24 healthy subjects, high intersubject variability in systemic exposure was observed. Maximal concentration was reached at approximately 48 hours (range: 24-168 hours) following application. Mean C_{max} was 5 ng/mL (CV: 170%) and mean AUC_{0-168hr} was 527 ng-hr/mL (CV: 173%).

Mean Plasma Concentration of Granisetron (mean \pm SD)



Based on the measure of residual content of the transdermal system after removal, approximately 66% (SD: \pm 10.9) of granisetron is delivered following transdermal system application for 7 days.

Following consecutive application of two Sancuso transdermal systems, each for seven days, granisetron plasma concentrations were maintained over the study period with evidence of minimal accumulation. The mean plasma concentration at 24 hours after the second transdermal system application was 1.5-fold higher due to residual granisetron from the first transdermal system. As the plasma concentration increased after the second transdermal system application, the difference decreased and the mean plasma concentration at 48 hours was 1.3-fold higher after application of the second transdermal system compared to that after application of the first transdermal system.

In a study designed to assess the effect of heat on the transdermal delivery of granisetron from Sancuso in healthy subjects, a heat pad generating an average temperature of 42°C (107.6°F) was applied over the transdermal system for 4 hours each day over the 5 day period of wear. The application of the heat pad was associated with an increase in plasma granisetron concentrations during the period of heat pad application. The elevated plasma concentration declined after removal of the heat pad. Mean C_{max} with intermittent heat exposure was 6% higher than without heat. Mean partial AUCs over 6 hours with 4 hour of heat application (AUC₀₋₆, AUC₂₄₋₃₀, and AUC₄₈₋₅₄) were 4.9, 1.4, and 1.1 fold higher, respectively, with heat pad than without heat pad [see Dosage and Administration (2), Warnings and Precautions (5.4)].

Distribution

Plasma protein binding is approximately 65%. Granisetron distributes freely between plasma and red blood cells.

Elimination

Metabolism

Granisetron metabolism involves N-demethylation and aromatic ring oxidation followed by conjugation. *In vitro* liver microsomal studies show that granisetron's major route of metabolism is inhibited by ketoconazole, suggestive of metabolism mediated by the cytochrome P-450 3A subfamily. Animal studies suggest that some of the metabolites may also have 5-HT₃ receptor antagonist activity.

Excretion

Clearance is predominantly by hepatic metabolism. Based on a study with intravenous injection, approximately 12% of the dose is excreted unchanged in the urine of healthy subjects in 48 hours. The remainder of the dose is excreted as metabolites, 49% in the urine, and 34% in the feces.

Use in Specific Populations

Geriatric Patients

Following application of Sancuso transdermal system in healthy subjects, mean AUC_{0-z}, C_{max} , and C_{avg} were 17%, 15%, and 16% higher, respectively in male and female elderly subjects (\geq 65 years) compared to younger subjects (aged 18-45 years inclusive). These pharmacokinetic parameters were largely overlapped between the two age groups with high variability (CV: >50%).

Following a single 40 mcg/kg intravenous dose of granisetron hydrochloride in elderly subjects (mean age 71 years), lower clearance and longer half-life were observed compared to younger healthy subjects.

Male and Female Patients

There is evidence to suggest that female subjects had higher granisetron concentrations than males following transdermal system application. However, no statistically significant difference in clinical efficacy outcome was observed between males and females.

Racial or Ethnic Groups

The pharmacokinetic profile of granisetron from Sancuso was assessed in healthy Japanese males. Following the application of a single 6-day Sancuso 52 cm² transdermal system, in healthy male Japanese subjects, mean C_{max} , $AUC_{(0-144)}$, and $AUC_{(0-\infty)}$ values were 5.02 ng/mL (CV: 66%), 492 ng.hr/mL (CV: 72%), and 562 ng.hr/mL (CV: 60%), respectively, and a median t_{max} value was 48 hours.

Patients with Renal Impairment

Total clearance of granisetron was not affected in patients with severe renal failure who received a single 40 mcg/kg intravenous dose of granisetron hydrochloride.

Patients with Hepatic Impairment

In patients with hepatic impairment due to neoplastic liver involvement, total plasma clearance following a single 40 mcg/kg intravenous dose of granisetron hydrochloride was approximately halved compared to patients without hepatic impairment. Given the wide variability in pharmacokinetic parameters of granisetron and the good tolerance of doses well above the

recommended dose, dose adjustment in patients with hepatic functional impairment is not necessary.

Body Mass Index

In a clinical study designed to assess granisetron exposure from Sancuso in subjects with differing levels of body fat, using body mass index (BMI) as a surrogate measure for subcutaneous fat, no significant differences were seen in the plasma pharmacokinetics of Sancuso in male and female subjects with low BMI [$<19.5 \text{ kg/m}^2$ (males), $<18.5 \text{ kg/m}^2$ (females)] and high BMI (30.0 to 39.9 kg/m² inclusive) compared to a control group (BMI 20.0 to 24.9 kg/m² inclusive).

Drug Interaction Studies

Because granisetron is metabolized by hepatic cytochrome P-450 drug-metabolizing enzymes (CYP1A1 and CYP3A4), inducers or inhibitors of these enzymes may change the clearance and hence, the half-life of granisetron. In addition, the activity of the cytochrome P-450 subfamily 3A4 (involved in the metabolism of some of the main narcotic analgesic agents) is not modified by granisetron hydrochloride *in vitro*. In *in vitro* human microsomal studies, ketoconazole inhibited ring oxidation of granisetron hydrochloride. However, the clinical significance of *in vivo* pharmacokinetic interactions with ketoconazole is not known. In a human pharmacokinetic study, hepatic enzyme induction with phenobarbital resulted in a 25% increase in total plasma clearance of intravenous granisetron hydrochloride. The clinical significance of this change is not known.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

In a 24-month carcinogenicity study, rats were treated orally with granisetron 1, 5 or 50 mg/kg/day (6, 30 or 300 mg/m²/day). The 50 mg/kg/day dose was reduced to 25 mg/kg/day (150 mg/m²/day) during week 59 due to toxicity. For a 50 kg person of average height (1.46 m² body surface area), these doses represent about 2.6, 13, and 65 times the recommended clinical dose (3.1 mg/day, 2.3 mg/m²/day, delivered by the Sancuso transdermal system, on a body surface area basis). There was a statistically significant increase in the incidence of hepatocellular carcinomas and adenomas in males treated with 5 mg/kg/day (30 mg/m²/day, about 13 times the recommended human dose with Sancuso, on a body surface area basis) and above, and in females treated with 25 mg/kg/day (150 mg/m²/day, about 65 times the recommended human dose with Sancuso, on a body surface area basis). No increase in liver tumors was observed at a dose of 1 mg/kg/day (6 mg/m²/day, about 2.6 times the recommended human dose with Sancuso, on a body surface area basis) in males and 5 mg/kg/day (30 mg/m²/day, about 13 times the recommended human dose with Sancuso, on a body surface area basis) in females.

In a 12-month oral toxicity study, treatment with granisetron 100 mg/kg/day (600 mg/m²/day, about 261 times the recommended human dose with Sancuso, on a body surface area basis) produced hepatocellular adenomas in male and female rats while no such tumors were found in

the control rats. A 24-month mouse carcinogenicity study of granisetron did not show a statistically significant increase in tumor incidence, but the study was not conclusive.

Because of the tumor findings in rat studies, Sancuso should be prescribed only at the dose and for the indication recommended [see Indications and Usage (1), Dosage and Administration (2)].

Granisetron was not mutagenic in an *in vitro* Ames test and mouse lymphoma cell forward mutation assay, and *in vivo* mouse micronucleus test and *in vitro* and *ex vivo* rat hepatocyte UDS assays. It, however, produced a significant increase in UDS in HeLa cells *in vitro* and a significant increased incidence of cells with polyploidy in an *in vitro* human lymphocyte chromosomal aberration test.

Granisetron at subcutaneous doses up to 6 mg/kg/day (36 mg/m²/day, about 16 times the recommended human dose of Sancuso, on a body surface area basis), and oral doses up to 100 mg/kg/day (600 mg/m²/day, about 261 times the recommended human dose of Sancuso, on a body surface area basis) was found to have no effect on fertility and reproductive performance of male and female rats.

13.3 Phototoxicity

When tested for potential photogenotoxicity *in vitro* in a Chinese hamster ovary (CHO) cell line, at 200 and 300 mcg/mL, granisetron increased the percentage of cells with chromosomal aberration following photoirradiation [see Warnings and Precautions (5.5)].

Granisetron was not phototoxic when tested *in vitro* in a mouse fibroblast cell line. When tested *in vivo* in guinea-pigs, Sancuso transdermal system did not show any potential for photoirritation or photosensitivity. No phototoxicity studies have been performed in humans.

14 CLINICAL STUDIES

The effectiveness of Sancuso in the prevention of chemotherapy-induced nausea and vomiting (CINV) was evaluated in a randomized, parallel group, double-blind, double-dummy study conducted in the U.S. and abroad. The study compared the efficacy, tolerability and safety of Sancuso transdermal system with that of 2 mg oral granisetron once daily in the prevention of nausea and vomiting in a total of 641 patients receiving multi-day chemotherapy.

The population randomized into the trial included 48% males and 52% females aged 16 to 86 years receiving moderately emetogenic (ME) or highly emetogenic (HE) multi-day chemotherapy. Seventy-eight (78%) of patients were White, 12% Asian, 10% Hispanic/Latino and 0% Black.

Sancuso was applied 24 to 48 hours before the first dose of chemotherapy and kept in place for 7 days. Oral granisetron was administered daily for the duration of the chemotherapy regimen, 1

hour before each dose of chemotherapy. Efficacy was assessed from the first administration until 24 hours after the start of the last day's administration of the chemotherapy regimen.

The primary endpoint of the trial was the proportion of patients achieving no vomiting and/or retching, no more than mild nausea and no rescue medication from the first administration until 24 hours after the start of the last day's administration of multi-day chemotherapy. Using this definition, the effect of Sancuso was established in 60.2% of patients in the Sancuso arm and 64.8% of patients receiving oral granisetron (difference -4.89%; 95% confidence interval – 12.91% to +3.13%).

An assessment of transdermal system adhesion in 621 patients receiving either active or placebo transdermal system showed that less than 1% of transdermal systems became detached over the course of the 7 day period of transdermal system application.

16 HOW SUPPLIED/STORAGE AND HANDLING

Sancuso (granisetron transdermal system) is a 52 cm² thin, translucent, rectangular-shaped transdermal system with rounded corners imprinted on one side with "Granisetron 3.1 mg/24 hours". The transdermal system releases 3.1 mg of granisetron per 24 hours for up to 7 days.

Each Sancuso transdermal system is packaged in a separate sealed foil-lined plastic pouch supplied in packages of 1 (NDC 42747-726-01) transdermal system.

Store at 20°-25°C (68°-77°F); excursions permitted between 15°-30°C (59°-86°F). [see USP Controlled Room Temperature].

Sancuso should be stored in the original packaging.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information)

Progressive Ileus and Gastric Distention

Advise the patient to report new or worsening constipation to their healthcare provider and seek immediate medical care if symptoms of an ileus (pain or swelling in their abdomen) occur [see Warnings and Precautions (5.1)].

Serotonin Syndrome

Advise the patient of the possibility of serotonin syndrome with concomitant use of Sancuso and another serotonergic agent such as medications to treat depression and migraines. Advise the patient to seek immediate medical attention if the following symptoms occur: changes in mental status, autonomic instability, neuromuscular symptoms, with or without gastrointestinal symptoms [see Warnings and Precautions (5.2)].

Skin Reactions

Instruct the patient remove the transdermal system if they have a severe skin reaction, or a generalized skin reaction (e.g. allergic rash, including erythematous, macular, papular rash or pruritus) [see Warnings and Precautions (5.3)].

<u>Increased Drug Exposure with Use of External Heat Sources</u>

Advise the patient to avoid prolonged exposure to heat and not to apply a heat pad or heat lamp over or near the Sancuso transdermal system and avoid extended exposure to heat [see Warnings and Precautions (5.4)].

Phototoxicity with Ultraviolet Light Exposure

Advise the patient to avoid direct sunlight or exposure to sunlamps and to cover the application site of the transdermal system with clothing, if there is a risk of exposure to sunlight or sunlamps throughout the period of wear and for 10 days following its removal [see Warnings and Precautions (5.5)].

Application and Removal Instructions

Instruct the patient on how to apply and remove the transdermal system:

- Only wear one transdermal system at any time.
- Do not cut the transdermal system.
- Apply the transdermal system to clean, dry, nearly hairless, intact healthy skin on the upper outer arm.
- After the transdermal system is applied, wash hands thoroughly.
- Remove the transdermal system by peeling off gently from the skin.
- Upon removal, fold the used transdermal system in half with the sticky side together, and discard in household trash in a manner that prevents accidental contact or ingestion by children, pets or others.
- Sancuso contains granisetron. Do not use other granisetron-containing products with Sancuso [see Dosage and Administration (2)].

Manufactured by:

3M Drug Delivery Systems

Manufactured for:

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Patient Information SANCUSO® [san-KOO-so]

(granisetron transdermal system) for transdermal use

Important: For skin use only.

Read the Patient Information that comes with SANCUSO before you start using it and each time you get a refill. There may be new information. This information does not take the place of talking to your healthcare provider about your medical condition or your treatment. If you have any questions about SANCUSO, ask your healthcare provider.

What is SANCUSO?

SANCUSO is a prescription medicine used to prevent nausea and vomiting in adults receiving anti-cancer (chemotherapy) treatment that causes moderate or severe vomiting.

SANCUSO is a skin patch (transdermal system) that slowly releases the medicine into your bloodstream while you wear the transdermal system.

It is not known if SANCUSO is safe and effective in children.

Who should not use SANCUSO?

Do not use SANCUSO if you are allergic to granisetron or any of the ingredients in SANCUSO. See the end of this leaflet for a list of ingredients in SANCUSO.

What should I tell my healthcare provider before using SANCUSO? Before using SANCUSO, tell your healthcare provider about all of your medical conditions, including if you:

- have pain or swelling in your stomach area (abdomen).
- are pregnant. It is not known if SANCUSO will harm your unborn baby. Talk to your healthcare provider if you are pregnant or plan to become pregnant.
- are breastfeeding or plan to breastfeed. It is not known if SANCUSO passes into your breast milk.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins and herbal supplements. Other medicines may affect how SANCUSO works. SANCUSO may also affect how other medicines work. SANCUSO contains granisetron. Do not take other granisetron containing products with SANCUSO.

Know the medicines you take. Keep a list of them to show your healthcare provider and pharmacist when you get a new medicine.

How should I use SANCUSO?

- Read the Instructions for Use that comes with SANCUSO transdermal system.
- Use SANCUSO exactly as your healthcare provider tells you to.

What should I avoid while using SANCUSO?

Do not apply any heat source over or near the SANCUSO transdermal system.

- A heating pad or heat lamp should not be used where the transdermal system is applied.
- You should avoid long periods of exposure to heat because heat can increase the amount of SANCUSO in your blood.
- Avoid sunlight and artificial sunlight. The medicine in SANCUSO may not work as well and may affect your skin if exposed to direct sunlight or artificial sunlight from sunlamps or tanning beds.
- Keep the transdermal system covered with clothing if you will be in direct sunlight or artificial sunlight.
- Keep the skin where SANCUSO was applied covered for another 10 days after the transdermal system is taken off to protect from exposure to direct sunlight or artificial sunlight.

What are the possible side effects of SANCUSO?

SANCUSO may cause serious side effects, including:

 Using SANCUSO may make it harder to identify certain stomach (abdomen) and bowel problems that are from other causes. Tell your healthcare provider if you have any abdominal pain or swelling while using SANCUSO. • **Serotonin Syndrome.** A potentially life-threatening problem called serotonin syndrome can happen if you use SANCUSO with certain medicines. **Call your healthcare provider or go to the nearest hospital emergency room right away** if you have any of the following signs and symptoms of serotonin syndrome:

agitationseeing or hearing things that are not realflushing

(hallucinations)

confusion
 coma
 high body temperature (hyperthermia)
 shaking (tremors), stiff muscles, or muscle

twitching

o fast heart beat o loss of coordination

changes in blood pressure o seizures

o dizziness o nausea, vomiting, diarrhea

• **Skin reactions.** Skin reactions can happen at the transdermal system application site or outside the transdermal system application site. Tell your healthcare provider if you get any redness, rashes, bumps, blisters or itching at or near the transdermal system application site, and especially if they spread outside the place where the transdermal system was applied or if they appear outside the transdermal system application site. You may need to stop using SANCUSO.

The most common side effects of SANCUSO include:

constipation

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Tell your healthcare provider if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of SANCUSO. For more information, ask your healthcare provider or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store SANCUSO?

- Store SANCUSO at room temperature between 68°F to 77°F (20°C to 25°C).
- Keep SANCUSO in the original package it comes in.

Keep SANCUSO out of the reach of children.

General information about the safe and effective use of SANCUSO.

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. Do not use SANCUSO for a condition for which it was not prescribed. Do not give SANCUSO to other people, even if they have the same symptoms that you have. It may harm them. This Patient Information leaflet summarizes the most important information about SANCUSO. You can ask your pharmacist or healthcare provider for information about SANCUSO that is written for health professionals.

Manufactured by: 3M Drug Delivery Systems

Manufactured for: Kyowa Kirin, Inc. Bedminster, NJ 07921

For more information, go to www.sancuso.com or call 1-800-SANCUSO.

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This Patient Information has been approved by the U.S. Food and Drug Administration

Revised: 04/2020

Instructions for Use SANCUSO® [san-KOO-so]

(granisetron transdermal system) for transdermal use

Read this Instructions for Use before you start using SANCUSO transdermal system and each time you get a refill. There may be new information. This information does not take the place of talking to your healthcare provider about your medical condition or treatment.

Important Information:

- SANCUSO is for skin use only (transdermal system).
- Avoid exposing the SANCUSO transdermal system application site to direct heat sources such as a heating pad or heat lamp.
- Avoid exposing the SANCUSO transdermal system to direct sunlight or artificial light such as a sunlamp or tanning bed.
- Keep the SANCUSO transdermal system covered with clothing if you will be in sunlight or artificial sunlight.
- Keep the skin where the SANCUSO transdermal system was applied covered for another 10 days after the SANCUSO transdermal system is taken off, to protect from exposure to direct sunlight or artificial sunlight.
- Skin reactions can happen at the SANCUSO transdermal system application site or outside the SANCUSO transdermal system application site. Tell your healthcare provider if you get any redness, rashes, bumps, blisters or itching at the SANCUSO transdermal system application site, and especially if they spread outside the place where the SANCUSO transdermal system was applied or if they appear outside the SANCUSO transdermal system application site. You may need to stop using the SANCUSO transdermal system.

How should I store the SANCUSO transdermal system?

- Store the SANCUSO transdermal system at room temperature between 68°F to 77°F (20°C to 25°C).
- Keep the SANCUSO transdermal system in the original package it comes in.
- Do not open the package until you are ready to apply the SANCUSO transdermal system.

Supplies:

- SANCUSO transdermal system
- surgical or medical adhesive tape (not included)

When do I apply the SANCUSO transdermal system?

- Use the SANCUSO transdermal system exactly as your healthcare provider tells you to.
- Apply the SANCUSO transdermal system at least 1 day (24 hours) or up to 2 days (48 hours) before your scheduled anti-cancer (chemotherapy) treatment.
- Wear the SANCUSO transdermal system all the time during your chemotherapy treatment.
- Wait at least 1 day (24 hours) after your chemotherapy treatment is finished to remove the SANCUSO transdermal system.
- The SANCUSO transdermal system may be worn for up to 7 days.

Where do I apply the SANCUSO transdermal system?

- SANCUSO transdermal system should only be applied to the outside of the upper arm.
- Apply the SANCUSO transdermal system to a clean, dry, nearly hairless, healthy area of skin on the outside part of your upper arm. If there is hair, do not shave. Instead, clip hair as close to the skin as possible.



 The area you choose should not be oily or recently shaved. The SANCUSO transdermal system should not be placed on skin that is red, irritated, or damaged (cut or scraped). • **Do not** apply the SANCUSO transdermal system to areas that have been treated with creams, oils, lotions, powders or other skin products that could keep the SANCUSO transdermal system from sticking well to your skin.

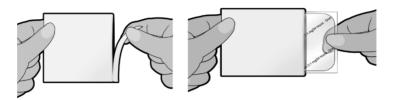
How do I apply the SANCUSO transdermal system?

The SANCUSO transdermal system comes inside a pouch which is inside the carton.

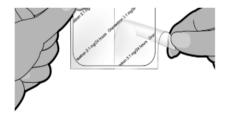
- 1. Do not remove the SANCUSO transdermal system from the pouch until you are ready to use it.
- 2. **Do not** cut the SANCUSO transdermal system into pieces.
- 3. Remove the pouch from the carton.



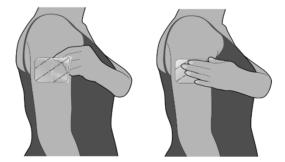
4. Tear the pouch open at the notch provided, and remove the SANCUSO transdermal system. Each pouch contains one SANCUSO transdermal system stuck onto a stiff (rigid) plastic film.



5. The unprinted, sticky side of the SANCUSO transdermal system is covered by a 2-piece stiff (rigid) plastic film. Bend the transdermal system in the middle. Slowly peel 1-half of the stiff (rigid) plastic film. Be careful not to stick the SANCUSO transdermal system to itself. Do not touch the sticky side of the SANCUSO transdermal system.



6. While holding the other half of the stiff (rigid) plastic film, apply the sticky half of the SANCUSO transdermal system to your skin. Remove the second half of the stiff (rigid) plastic film and press the whole SANCUSO transdermal system firmly in place and smooth it down with your fingers. Press firmly making sure the SANCUSO transdermal system sticks well to the skin, especially around the edges.



- 7. Wash your hands with soap and water right away after applying the SANCUSO transdermal system to remove any medicine that may have stuck to your fingers.
- 8. Keep the SANCUSO transdermal system in place for the whole time you are receiving your chemotherapy treatment. Remove the SANCUSO transdermal system at least 1 day (24 hours) after your chemotherapy treatment is finished. The SANCUSO transdermal system can be worn for up to 7 days, depending on the number of days your chemotherapy treatment lasts.

9. **Do not** re-use the SANCUSO transdermal system after you remove it. See the instructions below on the right way to remove and throw away the SANCUSO transdermal system.

What do I do if the SANCUSO transdermal system does not stick well?

If the SANCUSO transdermal system does not stick well or the edges lift off the skin, you may apply pieces of surgical or medical adhesive tape on each lifted edge to keep the SANCUSO transdermal system in place. Only place pieces of the surgical or medical adhesive tape on the edges of the SANCUSO transdermal system. Do not completely cover the SANCUSO transdermal system with surgical or medical adhesive tape and do not wrap completely around your arm. If the SANCUSO transdermal system comes more than half off or it becomes damaged (e.g. rips), contact your healthcare provider.

Can I bathe or shower while wearing the SANCUSO transdermal system?

You can continue to shower and wash normally while wearing the SANCUSO transdermal system.

It is not known how other activities, for example swimming, strenuous exercise or using a sauna or whirlpool, may affect the SANCUSO transdermal system. **Avoid these activities while wearing the SANCUSO transdermal system.**

How do I remove and dispose of the SANCUSO transdermal system?

- 1. When you remove the SANCUSO transdermal system, peel it off gently.
- The used SANCUSO transdermal system will still contain some of the medicine. After removing the used SANCUSO
 transdermal system, fold it in half so that the sticky side sticks to itself. Throw away the used SANCUSO transdermal
 system in the trash right away so that children and pets cannot reach it.
- 3. If any adhesive (glue) remains on your skin after you remove the SANCUSO transdermal system, wash the area with soap and water to remove it. Do not use alcohol or other dissolving liquids, such as nail polish remover. These may cause skin irritation.
- 4. Wash your hands with soap and water after handling the SANCUSO transdermal system.
- 5. You may see mild redness on the skin where the SANCUSO transdermal system is removed. This redness should go away within 3 days. If redness continues, tell your healthcare provider.

What are the ingredients in the SANCUSO transdermal system?

Active ingredient: granisetron.

Inactive ingredients: acrylate-vinylacetate copolymer, polyester, titanium dioxide, polyamide resin and polyethylene wax.

This Instructions for Use has been approved by the U.S. Food and Drug Administration.

Manufactured by:

3M Drug Delivery Systems

Manufactured for:

Kyowa Kirin, Inc., Bedminster, NJ 07921

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