

SFROWASA SULFITE-FREE FORMULATION- mesalamine suspension

Viatris Specialty LLC

HIGHLIGHTS OF PRESCRIBING INFORMATION

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

sfROWASA® (mesalamine) rectal suspension sulfite-free formulation
Initial U.S. Approval: 1987

INDICATIONS AND USAGE

sfROWASA is an aminosalicylate indicated for treatment of active mild to moderate distal ulcerative colitis, proctosigmoiditis or proctitis in adults. (1)

DOSAGE AND ADMINISTRATION

- Evaluate renal function prior to initiation of sfROWASA and periodically while on therapy. (2, 5.1)
- The recommended dosage is one rectal instillation (4 grams) once a day, preferably at bedtime, and retained for approximately eight hours for 3 to 6 weeks depending on symptoms and sigmoidoscopic findings. (2)
- Drink an adequate amount of fluids. (2, 5.7)

DOSAGE FORMS AND STRENGTHS

Rectal Suspension: 4 g/60 mL suspension bottle (3)

CONTRAINDICATIONS

Known or suspected hypersensitivity to salicylates, aminosalicylates or any other of the ingredients in sfROWASA. (4, 5.1)

WARNINGS AND PRECAUTIONS

- **Renal Impairment:** Assess renal function at the beginning of treatment and periodically during treatment. Evaluate the risks and benefits of sfROWASA in patients with known renal impairment or taking nephrotoxic drug. Discontinue sfROWASA if renal function deteriorates while on therapy. (7.1)
- **Mesalamine-Induced Acute Intolerance Syndrome:** Discontinue treatment if acute intolerance syndrome (cramping, acute abdominal pain, bloody diarrhea, sometimes fever, headache and rash) is suspected. (5.2)
- **Hepatic Failure:** Evaluate the risks and benefits of using sfROWASA in patients with known liver impairment. (5.3)
- **Severe Cutaneous Adverse Reactions:** Discontinue at the first signs or symptoms of severe cutaneous adverse reactions or other signs of hypersensitivity and consider further evaluation. (5.4)
- **Photosensitivity:** Avoid sun exposure if pre-existing skin conditions. (5.5)
- **Nephrolithiasis:** Cases of nephrolithiasis have been reported with the use of mesalamine. Mesalamine-containing stones are undetectable by standard radiography or computed tomography (CT). Ensure adequate hydration during treatment. (5.6)
- **Interference with Laboratory Tests:** Mesalamine may lead to elevated urinary normetanephrine test results. (5.7)

ADVERSE REACTIONS

Most common adverse reactions ($\geq 1\%$) are: gas/flatulence, flu, fever, leg/joint pain, hemorrhoids, rectal pain and hair loss. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Meda Pharmaceuticals Inc at 1-866-210-5949 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DRUG INTERACTIONS

- **Nephrotoxic Agents including Non-Steroidal Anti-inflammatory Drugs (NSAIDs):** Increased risk of nephrotoxicity; monitor for changes in renal function and mesalamine-related adverse reactions. (7.1)
- **Azathioprine or 6-Mercaptopurine:** Increased risk of blood dyscrasias; monitor complete blood cell counts and platelet counts. (7.2)

USE IN SPECIFIC POPULATIONS

Geriatric Patients: Increased risk of blood dyscrasias; monitor complete blood cell counts and platelet

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

sfROWASA is indicated for the treatment of active mild to moderate distal ulcerative colitis, proctosigmoiditis or proctitis in adults.

2 DOSAGE AND ADMINISTRATION

Evaluate renal function before initiating therapy with sfROWASA [*see Warnings and Precautions (5.1)*].

Recommended Dosage

The recommended dosage is one rectal instillation (4 grams) once a day, preferably at bedtime, and retained for approximately eight hours for 3 to 6 weeks depending on symptoms and sigmoidoscopic findings.

Administration Instructions

- Shake the bottle to ensure the suspension is homogeneous.
- Remove the protective sheath from the applicator tip.
- Assume the correct body position:
 - o Lie on the left side with the lower leg extended and the upper right leg flexed forward for balance.
 - o Alternatively, sit in the knee to chest position.
- Gently insert the applicator tip in the rectum pointing toward the umbilicus.
- Steadily squeeze the bottle to discharge the medication.
- Remain in the position for at least 30 minutes. Administer at bedtime with the objective of retaining it all night.
- Drink an adequate amount of fluids during treatment [*see Warnings and Precautions (5.7)*].

3 DOSAGE FORMS AND STRENGTHS

Rectal Suspension: 4 g/60 mL suspension bottle; off-white to tan colored suspension

4 CONTRAINDICATIONS

sfROWASA is contraindicated in patients with known or suspected hypersensitivity to salicylates, aminosaliclates or any other component of this medication [*see Warnings and Precautions (5.3)*].

5 WARNINGS AND PRECAUTIONS

5.1 Renal Impairment

Renal impairment, including minimal change disease, acute and chronic interstitial nephritis, and renal failure have been reported in patients given sfROWASA or other products that contain mesalamine or are converted to mesalamine. In animal studies, the kidney was the principal organ of mesalamine toxicity [see *Nonclinical Toxicology (13.2)*].

Evaluate the risks and benefits of using sfROWASA in patients with known renal impairment or a history of renal disease or taking concomitant nephrotoxic drugs. Evaluate renal function in all patients prior to initiation and periodically while on sfROWASA therapy. Discontinue sfROWASA if renal function deteriorates while on therapy [see *Drug Interactions (7.1)*, *Use in Specific Populations (8.6)*].

5.2 Mesalamine-Induced Acute Intolerance Syndrome

Mesalamine has been associated with an acute intolerance syndrome that may be difficult to distinguish from a flare of inflammatory bowel disease. Although the exact frequency of occurrence cannot be ascertained, it has occurred in 3% of patients in controlled clinical trials of mesalamine or sulfasalazine. Symptoms include cramping, acute abdominal pain and bloody diarrhea, sometimes fever, headache, and rash. Monitor patients for worsening of these symptoms while on treatment. If acute intolerance syndrome is suspected, promptly discontinue treatment with sfROWASA.

5.3 Hepatic Failure

There have been reports of hepatic failure in patients with pre-existing liver disease who have been administered other products containing mesalamine. Evaluate the risks and benefits of using sfROWASA in patients with known liver impairment.

5.4 Severe Cutaneous Adverse Reactions

Severe cutaneous adverse reactions, including Stevens-Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN), drug reaction with eosinophilia and systemic symptoms (DRESS), and acute generalized exanthematous pustulosis (AGEP) have been reported with the use of mesalamine [see *Adverse Reactions (6)*]. Discontinue sfROWASA at the first signs or symptoms of severe cutaneous adverse reactions or other signs of hypersensitivity and consider further evaluation.

5.5 Photosensitivity

Patients with pre-existing skin conditions such as atopic dermatitis and atopic eczema have reported more severe photosensitivity reactions. Advise patients to avoid sun exposure, wear protective clothing, and use a broad-spectrum sunscreen when outdoors.

5.6 Nephrolithiasis

Cases of nephrolithiasis have been reported with the use of mesalamine, including stones with 100% mesalamine content. Mesalamine-containing stones are radiotransparent and undetectable by standard radiography or computed tomography (CT). Ensure adequate fluid intake during treatment.

5.7 Interference with Laboratory Tests

Use of mesalamine may lead to spuriously elevated test results when measuring urinary normetanephrine by liquid chromatography with electrochemical detection because of the similarity in the chromatograms of normetanephrine and the main metabolite of mesalamine, N-acetyl-5-aminosalicylic acid (N-Ac-5-ASA). Consider an alternative, selective assay for normetanephrine.

6 ADVERSE REACTIONS

The following clinically significant adverse reactions are described elsewhere in the labeling:

- Renal impairment [see *Warnings and Precautions (5.1)*]
- Mesalamine-induced acute intolerance syndrome [see *Warnings and Precautions (5.2)*]
- Hepatic failure [see *Warnings and Precautions (5.3)*]
- Severe cutaneous adverse reactions [see *Warnings and Precautions (5.4)*]
- Photosensitivity [see *Warnings and Precautions (5.5)*]
- Nephrolithiasis [see *Warnings and Precautions (5.6)*]

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 practice.

Table 1: Adverse Reactions* in Clinical Trials of sfROWASA in Adult Patients with Ulcerative Colitis, Proctosigmoiditis or Proctitis

Adverse Reaction	sfROWASA (N=815) %	Placebo (N=128) %
Gas/Flatulence	6	4
Flu	5	1
Fever	3	0
Leg/Joint pain	2	1
Hemorrhoids	1	1
Rectal pain	1	0
Hair loss	1	0

* reported in 1% or more of sfROWASA-treated patients and greater than placebo

6.2 Postmarketing Experience

The following adverse reactions have been identified during post-approval use of mesalamine. 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.

Gastrointestinal Disorders: pancreatitis

Hematologic Disorders: agranulocytosis, aplastic anemia, eosinophilia, leukopenia, neutropenia, pancytopenia, thrombocytopenia

Hepatic Disorders: elevated liver enzymes, hepatic failure [see *Warnings and Precautions (5.3)*]

Nervous System: intracranial hypertension

Renal and Urinary Disorders: acute renal failure, chronic renal failure, interstitial nephritis, nephrogenic diabetes insipidus, nephrolithiasis, nephrotoxicity [see *Warnings and Precautions (5.1), (5.6)*]

- Urine discoloration occurring ex-vivo caused by contact of mesalamine including inactive metabolite, with surfaces or water treated with hypochlorite-containing bleach

Reproductive System and Breast Disorders: reversible oligospermia

Respiratory, Thoracic, and Mediastinal Disorders: fibrosing alveolitis, pleurisy/pleuritis

Skin and Subcutaneous Tissue Disorders: AGEP, DRESS, SJS/TEN [see *Warnings and Precautions (5.4)*]

7 DRUG INTERACTIONS

7.1 Nephrotoxic Agents, Including Non-Steroidal Anti-Inflammatory Drugs

The concurrent use of mesalamine with known nephrotoxic agents, including non-steroidal anti-inflammatory drugs (NSAIDs), may increase the risk of nephrotoxicity. Monitor patients taking nephrotoxic drugs for changes in renal function and mesalamine-related adverse reactions [see *Warnings and Precautions (5.2)*].

7.2 Azathioprine or 6-Mercaptopurine

The concurrent use of mesalamine with azathioprine or 6-mercaptopurine and/or any other drugs known to cause myelotoxicity may increase the risk for blood disorders, bone marrow failure, and associated complications. If concomitant use of sfROWASA and azathioprine or 6-mercaptopurine cannot be avoided, monitor blood tests, including complete blood cell counts and platelet counts.

7.3 Interference with Urinary Normetanephrine Measurements

Use of sfROWASA may lead to spuriously elevated test results when measuring urinary normetanephrine by liquid chromatography with electrochemical detection [see *Warnings and Precautions (5.7)*]. Consider an alternative, selective assay for normetanephrine.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Published data from meta-analyses, cohort studies and case series on the use of mesalamine during pregnancy have not reliably informed an association with mesalamine and major birth defects, miscarriage, or adverse maternal or fetal outcomes (*see Data*). There are adverse effects on maternal and fetal outcomes associated with ulcerative colitis in pregnancy (*see Clinical Considerations*). In animal reproduction studies, rats and rabbits administered mesalamine during organogenesis at oral doses up to 5 and 8 times the maximum recommended human dose, respectively, did not reveal any evidence of harm to the embryo or the fetus (*see Data*).

The 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 risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations

Disease-associated maternal and embryo/fetal risk

Published data suggest that increased disease activity is associated with the risk of developing adverse pregnancy outcomes in women with ulcerative colitis. Adverse pregnancy outcomes include preterm delivery (before 37 weeks of gestation), low birth weight (less than 2500 g) infants, and small for gestational age at birth.

Data

Human Data

Published data from meta-analyses, cohort studies and case series on the use of mesalamine, the active moiety of sfROWASA, during early pregnancy (first trimester) and throughout pregnancy have not reliably informed an association of mesalamine and major birth defects, miscarriage, or adverse maternal or fetal outcomes. There is no clear evidence that mesalamine exposure in early pregnancy is associated with an increase risk in major congenital malformations, including cardiac malformations. Published epidemiologic studies have important methodological limitations which hinder interpretation of the data, including inability to control for confounders, such as underlying maternal disease, and maternal use of concomitant medications, and missing information on the dose and duration of use for mesalamine products.

Animal Data

Reproduction studies have been performed with mesalamine in rats and rabbits during organogenesis at oral doses up to 5 and 8 times respectively, the maximum recommended human dose, and have revealed no evidence of harm to the embryo or the fetus.

8.2 Lactation

Risk Summary

Data from published literature report the presence of mesalamine and its metabolite, N-acetyl-5-aminosalicylic acid in human milk in small amounts with relative infant doses

(RID) of 0.1% or less for mesalamine (see *Data*). There are case reports of diarrhea observed in breastfed infants exposed to mesalamine (see *Clinical Considerations*). There is no information on the effects of mesalamine on milk production. The lack of clinical data during lactation precludes a clear determination of the risk of sfROWASA to an infant during lactation; therefore, the developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for sfROWASA and any potential adverse effects on the breastfed child from sfROWASA or from the underlying maternal condition.

Clinical Considerations

Advise the caregiver to monitor the breastfed infant for diarrhea.

Data

In published lactation studies, maternal mesalamine doses from various oral and rectal formulations and products ranged from 500 mg to 4.8 g daily. The average concentration of mesalamine in milk ranged from non-detectable to 0.5 mg/L. The average concentration of N-acetyl-5-aminosalicylic acid in milk ranged from 0.2 to 9.3 mg/L. Based on these concentrations, estimated infant daily dosages for an exclusively breastfed infant are 0 to 0.075 mg/kg/day of mesalamine (RID 0% to 0.1%) and 0.03 to 1.4 mg/kg/day of N-acetyl-5-aminosalicylic acid.

8.4 Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

8.5 Geriatric Use

Clinical trials of sfROWASA did not include sufficient numbers of patients aged 65 years and over to determine whether they respond differently from younger patients. Reports from uncontrolled clinical studies and postmarketing reporting systems suggested a higher incidence of blood dyscrasias (i.e., agranulocytosis, neutropenia and pancytopenia) in patients receiving mesalamine-containing products such as sfROWASA who were 65 years or older compared to younger adult patients, which may also be associated with ulcerative colitis, use of interacting drugs, or reduced renal function.

Consider monitoring complete blood cell counts and platelet counts in patients 65 years and over during treatment with sfROWASA. In general, consider the greater frequency of decreased hepatic, renal, or cardiac function, and of concurrent disease or other drug therapy in patients 65 years and over when prescribing sfROWASA.

8.6 Renal Impairment

Mesalamine is known to be substantially excreted by the kidney, and the risk of toxic reactions may be greater in patients with impaired renal function. Evaluate renal function in all patients prior to initiation and periodically while on sfROWASA therapy. Monitor patients with known renal impairment or history of renal disease or taking nephrotoxic drugs for decreased renal function and mesalamine-related adverse reactions. Discontinue sfROWASA if renal function deteriorates while on therapy [see *Warnings and Precautions* (5.2)].

10 OVERDOSAGE

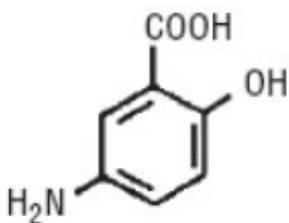
sfROWASA is an aminosalicylate, and symptoms of salicylate toxicity include nausea, vomiting and abdominal pain, tachypnea, hyperpnea, tinnitus, and neurologic symptoms (headache, dizziness, confusion, seizures). Severe salicylate intoxication may lead to electrolyte and blood pH imbalance and potentially to other organ (e.g., renal and liver) involvement.

There is no specific antidote for mesalamine overdose; however, conventional therapy for salicylate toxicity may be beneficial in the event of acute overdose and may include gastrointestinal tract decontamination to prevent further absorption. Correct fluid and electrolyte imbalance by the administration of appropriate intravenous therapy and maintain adequate renal function.

11 DESCRIPTION

The active ingredient in sfROWASA[®] (mesalamine) Rectal Suspension, a disposable (60 mL) unit, is mesalamine, also known as 5-aminosalicylic acid (5-ASA). Chemically, mesalamine is 5-amino-2-hydroxybenzoic acid.

The empirical formula is C₇H₇NO₃, representing a molecular weight of 153.14. The structural formula is:



sfROWASA is supplied as a suspension for rectal administration. Each rectal suspension unit contains 4 grams of mesalamine. The inactive ingredients are carbomer 934P, edetate disodium, potassium acetate, purified water, sodium benzoate and xanthan gum. Sodium benzoate is added as a preservative. The disposable unit consists of an applicator tip protected by a polyethylene cover and lubricated with USP white petrolatum. The unit has a one-way valve to prevent back flow of the dispensed product.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

The mechanism of action of 5-ASA (mesalamine) is not fully understood, but appears to be a topical anti-inflammatory effect on colonic epithelial cells. Mucosal production of arachidonic acid metabolites, both through the cyclooxygenase pathways (i.e., prostanoids), and through the lipoxygenase pathways (i.e., leukotrienes and hydroxyeicosatetraenoic acids) is increased in patients with ulcerative colitis, and it is possible that mesalamine diminishes inflammation by blocking cyclooxygenase and inhibiting prostaglandin production in the colon.

12.2 Pharmacodynamics

The exposure-response relationship and time course of pharmacodynamic response for the safety and effectiveness of mesalamine have not been fully characterized.

12.3 Pharmacokinetics

Absorption

Mesalamine administered rectally as sfROWASA is poorly absorbed from the colon and is excreted principally in the feces during subsequent bowel movements. The extent of absorption is dependent upon the retention time of the drug product, and there is considerable individual variation. Under clinical conditions patients demonstrated plasma levels 10 to 12 hours post mesalamine administration of 2 mcg/mL, about two-thirds of which was the N-acetyl metabolite. In addition, steady state plasma levels demonstrated a lack of accumulation of either parent drug or N-acetyl metabolite during repeated daily rectal administrations.

Distribution

Other than the kidney, the organ distribution and other bioavailability characteristics of absorbed mesalamine in man are not known. The poor colonic absorption of rectally administered mesalamine is substantiated by the low serum concentration of 5-ASA and N-acetyl-5-ASA seen in ulcerative colitis patients after dosage with mesalamine.

Elimination

Metabolism

It is known that the compound undergoes acetylation but whether this process takes place at colonic or systemic sites has not been elucidated.

Excretion

Whatever the metabolic site, most of the absorbed mesalamine is excreted in the urine as the N-acetyl-5-ASA metabolite. At steady state, approximately 10 to 30% of the daily 4-gram dose can be recovered in cumulative 24-hour urine collections. While the elimination half-life of mesalamine is short (0.5 to 1.5 hours), the acetylated metabolite exhibits a half-life of 5 to 10 hours.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

In a 2-year carcinogenicity study in Wistar rats fed up to 320 mg/kg/day (approximately 0.78 times the maximum recommended human dose, based on a body surface area comparison). of mesalamine admixed with diet, mesalamine did not cause an increase in the incidence of neoplastic lesions over controls.

Mutagenesis

Mesalamine is not mutagenic to Salmonella typhimurium tester strains TA98, TA100, TA1535, TA1537, TA1538. There were no reverse mutations in an assay using E. coli strain WP2UVRA. There were no evidence of genotoxicity in an *in vivo* mouse micronucleus assay at 600 mg/kg and in an *in vivo* sister chromatid exchange assay at doses up to 610 mg/kg.

Impairment of Fertility

Mesalamine had no effects on fertility in rats at doses up to 320 mg/kg/day (approximately 0.78 times the maximum recommended human dose, based on a body surface area comparison).

13.2 Animal Toxicology and/or Pharmacology

Preclinical studies have shown the kidney to be the major target organ for mesalamine toxicity. Adverse renal function changes were observed in rats after a single 600 mg/kg oral dose, but not after a 200 mg/kg dose. Gross kidney lesions, including papillary necrosis, were observed after a single oral >900 mg/kg dose, and after I.V. doses of >214 mg/kg. Mice responded similarly. In a 13-week oral (gavage) dose study in rats, the high dose of 640 mg/kg/day mesalamine caused deaths, probably due to renal failure, and dose-related renal lesions (papillary necrosis and/or multifocal tubular injury) were seen in most rats given the high dose (males and females) as well as in males receiving lower doses 160 mg/kg/day. Renal lesions were not observed in the 160 mg/kg/day female rats. Minimal tubular epithelial damage was seen in the 40 mg/kg/day males and was reversible. In a six-month oral study in dogs, the no-observable dose level of mesalamine was 40 mg/kg/day and doses of 80 mg/kg/day and higher caused renal pathology similar to that described for the rat. In a combined 52-week toxicity and 127-week carcinogenicity study in rats, degeneration in kidneys was observed at doses of 100 mg/kg/day and above admixed with diet for 52 weeks, and at 127 weeks increased incidence of kidney degeneration and hyalinization of basement membranes and Bowman's capsule were seen at 100 mg/kg/day and above. In the 12-month eye toxicity study in dogs, Keratoconjunctivitis Sicca (KCS) occurred at oral doses of 40 mg/kg/day and above. The oral preclinical studies were done with a highly bioavailable suspension where absorption throughout the gastrointestinal tract occurred.

14 CLINICAL STUDIES

In a 6-week placebo-controlled trial, international, multicenter trial of 153 patients with active distal ulcerative colitis, proctosigmoiditis or proctitis, sfROWASA[®] (mesalamine) rectal suspension reduced the overall disease activity index (DAI) and individual components as follows:

EFFECT OF TREATMENT ON SEVERITY OF DISEASE DATA FROM U.S.-CANADA TRIAL COMBINED RESULTS OF EIGHT CENTERS

Activity Indices, mean

				Change Baseline to End Point*
	N	Baseline	Day 22	End Point

Overall DAI	sfROWASA®	76	7.42	4.05 [†]	3.37 [‡]	-55.07% [‡]
	Placebo	77	7.40	6.03	5.83	-21.58%
Stool Frequency	sfROWASA®		1.58	1.11 [§]	1.01 [†]	-0.57 [§]
	Placebo		1.92	1.47	1.50	-0.41
Rectal Bleeding	sfROWASA®		1.82	0.59 [‡]	0.51 [‡]	-1.30 [‡]
	Placebo		1.73	1.21	1.11	-0.61
Mucosal Inflammation	sfROWASA®		2.17	1.22 [†]	0.96 [‡]	-1.21 [†]
	Placebo		2.18	1.74	1.61	-0.56
Physician's Assessment of Disease Severity	sfROWASA®		1.86	1.13 [‡]	0.88 [‡]	-0.97 [‡]
	Placebo		1.87	1.62	1.55	-0.30

Each parameter has a 4-point scale with a numerical rating:

0 = normal, 1 = mild, 2 = moderate, 3 = severe. The four parameters are added together to produce a maximum overall DAI of 12.

* * Percent change for overall DAI only (calculated by taking the average of the change for each individual patient).

† † Significant sfROWASA®/placebo difference. p < 0.01

‡ ‡ Significant sfROWASA®/placebo difference. p < 0.001

§ § Significant sfROWASA®/placebo difference. p < 0.05

Differences between sfROWASA® (mesalamine) Rectal Suspension and placebo were also statistically different in subgroups of patients on concurrent sulfasalazine and in those having an upper disease boundary between 5 and 20 or 20 and 40 cm. Significant differences between sfROWASA® (mesalamine) Rectal Suspension and placebo were not achieved in those subgroups of patients on concurrent prednisone or with an upper disease boundary between 40 and 50 cm.

16 HOW SUPPLIED/STORAGE AND HANDLING

sfROWASA® (mesalamine) rectal suspension is an off-white to tan colored suspension. Each disposable suspension bottle contains 4 grams of mesalamine in 60 mL aqueous suspension. Suspension bottles are supplied in boxed, foil-wrapped trays as follows:

NDC 0037-0022-60 Sample - 1 Bottle

NDC 0037-0022-07 Carton of 7 Bottles

NDC 0037-0022-14 Carton of 14 Bottles

NDC 0037-0022-28 Carton of 28 Bottles

sfROWASA® (mesalamine) rectal suspension is for rectal use only.

Storage

Store at controlled room temperature 20°C to 25°C (68°F to 77°F); Excursions permitted to 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature].

Once the foil wrapped unit of seven bottles is opened, all suspensions should be used promptly as directed by your physician. *Contents of suspensions removed from the foil pouch may darken with time. Slight darkening will not affect potency, however,*

suspensions with dark brown contents should be discarded.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Instructions for Use).

Renal Impairment

Inform patients that sfROWASA may decrease their renal function, especially if they have known renal impairment or are taking nephrotoxic drugs, and periodic monitoring of renal function will be performed while they are on therapy. Advise patients to complete all blood tests ordered by their healthcare provider [*see Warnings and Precautions (5.1)*].

Mesalamine-Induced Acute Intolerance Syndrome and Other Hypersensitivity Reactions

Instruct patients to stop taking sfROWASA and report to their healthcare provider if they experience new or worsening symptoms of acute intolerance syndrome (cramping, abdominal pain, bloody diarrhea, fever, headache, and rash) or other symptoms suggestive of mesalamine-induced hypersensitivity [*see Warnings and Precautions (5.2, 5.3)*].

Hepatic Failure

Advise patients with known liver disease to contact their healthcare provider if they experience signs or symptoms of worsening liver function [*see Warnings and Precautions (5.4)*].

Severe Cutaneous Adverse Reactions

Inform patients of the signs and symptoms of severe cutaneous adverse reactions. Instruct patients to stop taking sfROWASA and report to their healthcare provider at first appearance of a severe cutaneous adverse reaction or other sign of hypersensitivity [*see Warnings and Precautions (5.5)*].

Photosensitivity

Advise patients with pre-existing skin conditions to avoid sun exposure, wear protective clothing, and use a broad-spectrum sunscreen when outdoors [*see Warnings and Precautions (5.7)*].

Nephrolithiasis

Instruct patients to drink an adequate amount of fluids during treatment in order to minimize the risk of kidney stone formation and to contact their healthcare provider if they experience signs or symptoms of a kidney stone (e.g., severe side or back pain, blood in the urine) [*see Warnings and Precautions (5.7)*].

Blood Disorders

Inform elderly patients and those taking azathioprine or 6-mercaptopurine of the risk for blood disorders and the need for periodic monitoring of complete blood cell counts and platelet counts while on therapy. Advise patients to complete all blood tests ordered by their healthcare provider [*see Drug Interactions (7.2), Use in Specific Populations (8.5)*].

Administration

Advise patients that sfROWASA will cause staining of direct contact surfaces, including but not limited to fabrics, flooring, painted surfaces, marble, granite, vinyl, and enamel. Administer the product in a suitable location.

Instruct patients:

- Shake the bottle to ensure the suspension is homogeneous.
- Remove the protective sheath from the applicator tip.
- Lie on the left side with the lower leg extended and the upper right leg flexed forward for balance. Alternatively, alternative is the knee-chest position.
- Gently insert the applicator tip in the rectum pointing toward the umbilicus.
- Steadily squeeze the bottle to discharge the medication.
- Administer at bedtime with the objective of retaining it all night.
- Drink an adequate amount of fluids during treatment [see *Warnings and Precautions* (5.7)].
- Advise patients that urine may become discolored reddish-brown while taking sfROWASA when it comes in contact with surfaces or water treated with hypochlorite-containing bleach. If discolored urine is observed, advise patients to observe their urine flow. Report to the healthcare provider only if urine is discolored on leaving the body, before contact with any surface or water (e.g., in the toilet).

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Distributed by:

Meda Pharmaceuticals

Canonsburg, PA 15317 U.S.A.

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**For Medical Inquiries, Call Toll Free:
1-866-210-5949**

INSTRUCTIONS FOR USE

**sfROWASA® [s f ro wa sa]
(mesalamine)
rectal suspension sulfite-free formulation**

This Instructions for Use contains information on how to use sfROWASA® (mesalamine) rectal suspension. Read these Instructions for Use that come with your sfROWASA (mesalamine) rectal suspension 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.

How should I Store sfROWASA?

- Store sfROWASA at room temperature between 68°F to 77°F (20°C to 25°C).
- sfROWASA is an off-white to tan colored suspension. The medicine removed from the foil pouch may darken with time. Slight darkening will not affect how well sfROWASA works.

- Throw away sfROWASA (mesalamine) rectal suspensions with dark brown medicine.
- **Keep sfROWASA and all medicines out of the reach of children.**

Important Information You Need to Know Before Using sfROWASA

- sfROWASA is for rectal use only.
- Do not share sfROWASA with other people, it may harm them.
- If a caregiver is giving sfROWASA make sure they read and understand these Instructions for Use.
- Use sfROWASA exactly as your healthcare provider tells you to use it.
- It is recommended to use 1 sfROWASA bottle each day.
- After the foil wrapped unit of 7 bottles is opened, use each bottle of sfROWASA (mesalamine) rectal suspension right away.
- Empty bowels right before the medicine is given.
- Give at bedtime.
- sfROWASA will stain some surfaces including but not limited to fabrics, flooring, painted surfaces, marble, granite, vinyl, and enamel. Take care in choosing the right place for giving the sfROWASA (mesalamine) rectal suspension.

Preparing to use sfROWASA

Step 1. Remove the bottles.

- Remove all the bottles from the protective foil pouch by grasping at the seam and tearing downward or by using scissors at the top of the foil pouch (**See Figure A**).
- Be careful not to squeeze or puncture bottles.

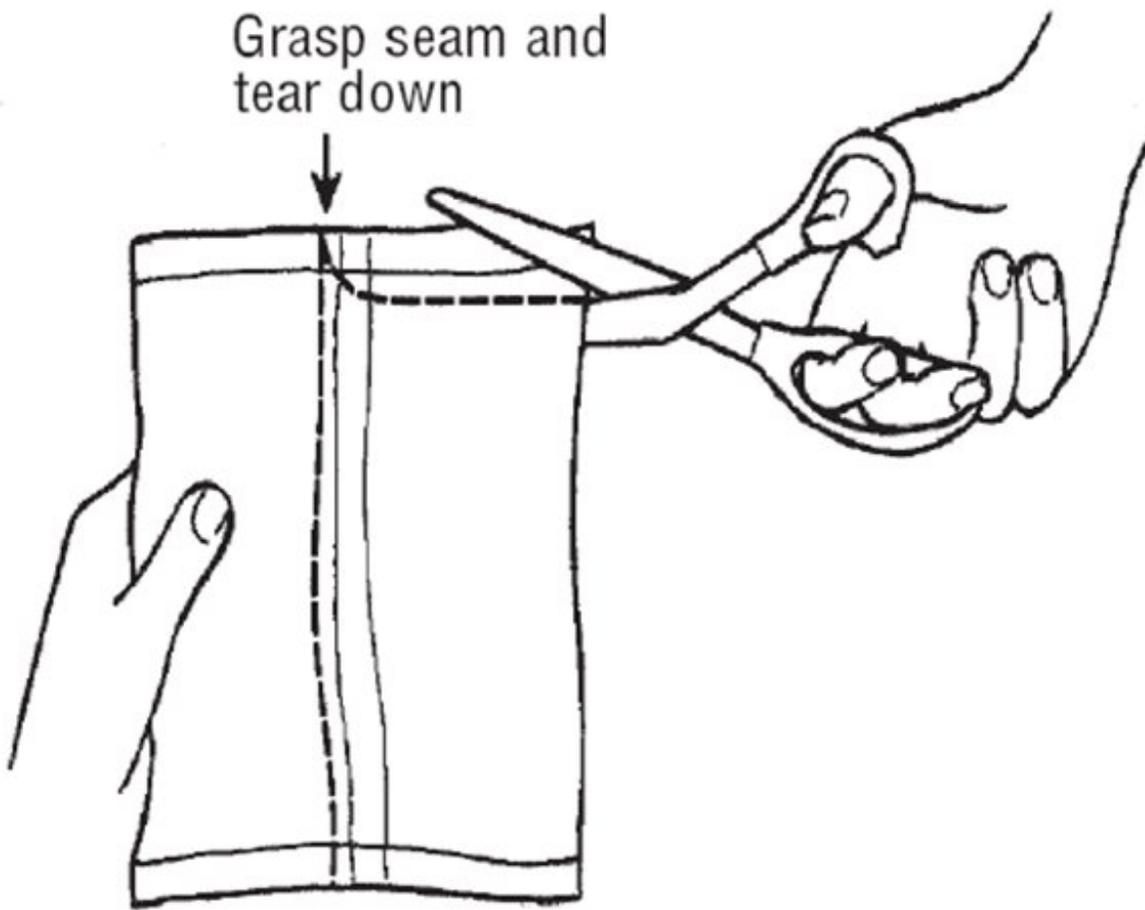


Figure A

Step 2. Prepare to give the medicine.

- Shake the first bottle well to make sure that the medicine is mixed well.
- Remove the protective sheath from the applicator tip. Hold the bottle at the neck so as not to cause any of the medicine to be released (**See Figure B**).



Figure B

Step 3. Get in position.

- Lay on your left side with your left leg extended and your right leg flexed forward for balance (**See Figure C**).

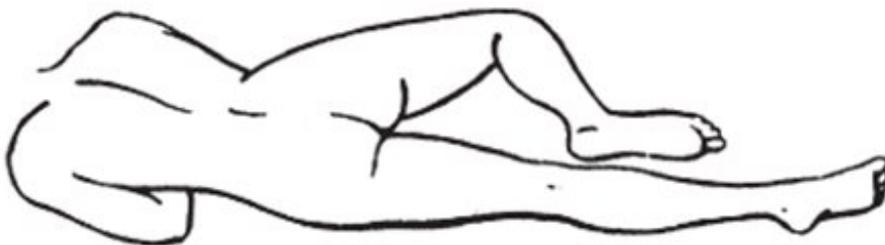


Figure C

or

- Get in the knee-chest position as shown here (**See Figure D**).



Figure D

Step 4. Giving the medicine.

- Lubricate the applicator tip.
- Gently insert the lubricated applicator tip into the rectum pointing slightly toward the belly button (navel) to prevent damage to the rectal wall.
- Grasp the bottle firmly, then tilt slightly so that the nozzle is aimed toward the back.
- Squeeze the bottle slowly to release the medicine into the rectum (**See Figure E**).
- Steady hand pressure will release most of the medicine.



Figure E

- After giving the medicine, withdraw the applicator tip.
- Remain in position for at least 30 minutes to allow the medicine to spread inside the body.
- Throw away (discard) the bottle.
- Try to keep the medicine inside your body all night, if possible.

Distributed by:

Meda Pharmaceuticals

Canonsburg, PA 15317 U.S.A.

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U.S. Patent No. 7,645,801

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trademark of Alaven Pharmaceutical LLC, a Viatrix Company.

IN-003260-08

Rev. 7/2024

**For Medical Inquiries, Call Toll Free:
1-866-210-5949**

PRINCIPAL DISPLAY PANEL - 4 g/60 mL

NDC 0037-0022-07

7 X 60 mL Unit-Dose Bottles

sfROWASA®

(mesalamine)

rectal suspension, 4 g/60 MI

Sulfite-Free Formulation

7 pack

For Rectal Use Only

Rx Only

Each disposable unit contains:

Mesalamine (5-aminosalicylic acid).....4 grams
in suspension containing carbomer 934P, edetate disodium, potassium acetate,
purified water, sodium benzoate, and xanthan gum.

USUAL DOSE: One unit-dose suspension in the evenings before going to bed.

See package insert for complete prescribing information including usual dose.

See enclosed directions for use.

Use as directed by your physician.

KEEP THIS AND ANY MEDICATION OUT OF REACH OF CHILDREN.

SHAKE WELL BEFORE USING.

**FOIL WRAP PROTECTS PRODUCT FROM DISCOLORATION. DO NOT REMOVE
PRODUCT FROM FOIL WRAP UNTIL READY TO USE.**

Once the foil-wrapped unit of seven bottles is opened, any bottles remaining
after 14 days should be discarded.

Product contents may darken with time.

NOTE: product contents will cause staining of most direct contact surfaces.

Store at controlled room temperature 20° to 25°C (68° to 77°F); brief excursions
permitted 15° to 30°C (59° to 86°F) [See USP].

Dispensed in original foil-wrapped package.

For medical inquiries, call toll-free 1-866-210-5950.

SHAKE WELL BEFORE USING

Distributed by:

MEDA

PHARMACEUTICALS®

Canonsburg, PA 15317 U.S.A.

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a Viatris Company.

U.S. Patent No. 7,645,801

UC-003207-05

Rev. 8/2024



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SHAKE WELL BEFORE USING

NDC 0037-02207-8



For medical inquiries, call toll-free 1-866-210-5950.

Dispensed in original foil-wrapped package.

Store at controlled room temperature 20° to 25°C (68° to 77°F); brief excursions permitted 15° to 30°C (59° to 86°F) [See USP].

NOTE: product contents will cause staining of most direct contact surfaces.

Product contents may darken with time.

After 14 days should be discarded.

Once the foil-wrapped unit of seven bottles is opened, any bottles remaining

PRODUCT FROM FOIL WRAP UNTIL READY TO USE.

SHAKE WELL BEFORE USING.

KEEP THIS AND ANY MEDICATION OUT OF REACH OF CHILDREN.

Use as directed by your physician.

See enclosed directions for use.

See package insert for complete prescribing information including usual dose.

USUAL DOSE: One unit-dose suspension in the evenings before going to bed.

It suspends in water, and contains sodium benzoate, purified water, sodium benzoate, and xanthan gum.

Each disposable unit contains:

Mesalamine (5-aminosalicylic acid) 4 grams

in suspension containing carbomer 934P, edetate disodium, potassium acetate,

purified water, sodium benzoate, and xanthan gum.

20° to 25°C (68° to 77°F); brief excursions permitted 15° to 30°C (59° to 86°F) [See USP].

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SfROWASA
(mesalamine)
Rectal Suspension, 4g/60mL
Sulfite-Free Formulation

7 pack
NDC 0037-02207
7 X 60 mL Unit-Dose Bottles
Rx Only
For Rectal Use Only

7 pack

SfROWASA
(mesalamine)
Rectal Suspension, 4g/60mL
Sulfite-Free Formulation

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a Viatris Company.
US Patent No. 7,145,801

NDC 0037-02207
7 X 60 mL Unit-Dose Bottles

7 pack

SfROWASA
(mesalamine)
Rectal Suspension, 4g/60mL
Sulfite-Free Formulation

For Rectal Use Only
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For medical inquiries, call toll-free 1-866-210-5950.

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7 pack
NDC 0037-02207
7 X 60 mL Unit-Dose Bottles



NDC 0037-02207-8
Rev. 01/2024

SHAKE WELL BEFORE USING

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SfROWASA
(mesalamine)
Rectal Suspension, 4g/60mL
Sulfite-Free Formulation

7 pack
NDC 0037-02207
7 X 60 mL Unit-Dose Bottles

SFROWASA SULFITE-FREE FORMULATION

mesalamine suspension

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:0037-0022
Route of Administration	RECTAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
MESALAMINE (UNII: 4Q81I59GXC) (MESALAMINE - UNII:4Q81I59GXC)	MESALAMINE	4 g in 60 mL

Inactive Ingredients

Ingredient Name	Strength
CARBOMER HOMOPOLYMER TYPE B (ALLYL PENTAERYTHRITOL OR ALLYL SUCROSE CROSSLINKED) (UNII: K6MOM3T5YL)	
EDETATE DISODIUM (UNII: 7FLD91C86K)	
POTASSIUM ACETATE (UNII: M911911U02)	
WATER (UNII: 059QF0KO0R)	
SODIUM BENZOATE (UNII: OJ245FE5EU)	
XANTHAN GUM (UNII: TTV12P4NEE)	

Product Characteristics

Color	WHITE	Score	
Shape		Size	
Flavor		Imprint Code	
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0037-0022-07	7 in 1 CARTON	03/24/2016	07/31/2026
1	NDC:0037-0022-60	60 mL in 1 BOTTLE, WTH APPLICATOR; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		
2	NDC:0037-0022-28	28 in 1 CARTON	05/24/2016	07/31/2026
2	NDC:0037-0022-60	60 mL in 1 BOTTLE, WTH APPLICATOR; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
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NDA	NDA019618	03/24/2016	07/31/2026
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Labeler - Viatris Specialty LLC (117455616)

Revised: 7/2024

Viatris Specialty LLC