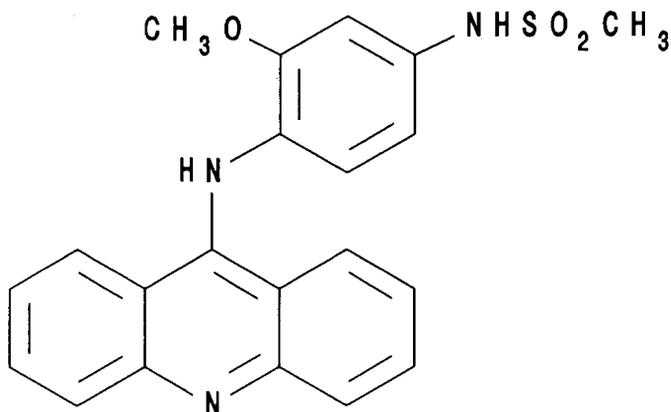


AMSACRINE

NSC - 249992



Chemical Name: N-[4-(9-Acridinylamino)-3-methoxyphenyl]-methanesulfonamide

Other Names: m-AMSA, acridinyl anisidide, methanesulfon-m-anisidide, 4'-(9-acridinylamino)-, Amsacrine (USAN)

CAS Registry Number; 51264-14-3

Molecular Formula: C₂₁H₁₉N₃O₃S

M.W.: 393.5

How supplied: Amsacrine is available in a duopack containing two sterile liquids that must be aseptically combined prior to use, forming what is termed the "combined solution".

Each duopack contains the following:

NSC - 249992: A 2 mL flint ampule containing 1.5 mL of a 50 mg/mL solution of amsacrine (75 mg total) in anhydrous N,N-dimethylacetamide (DMA).

NSC - 367919: A 20 mL amber vial containing 13.5 mL of 0.0353 M L-lactic acid diluent.

Solution preparation:

Aseptically add 1.5 mL of the contents of the ampule of amsacrine, 50 mg/mL, to the vial containing 13.5 mL of 0.0353 M L-lactic acid. The resulting orange-red solution contains 5 mg/mL of amsacrine in 10% v/v DMA and 0.0318 M L-lactic acid.

NOTE: Contact of the undiluted amsacrine solution with plastic items, including filters and syringes, should be avoided because of the concentrated N,N-dimethylacetamide solvent content. The use of glass syringes is recommended.

CAUTION: Avoid direct contact of amsacrine solutions with skin or mucous membranes due to possible skin sensitization.

Storage: Store the packages at room temperature (22-25 °C).

Stability: The intact drug and diluent bear a "do not use after" date.

The "combined solution" is physically and chemically stable for at least 48 hours at room temperature (22-25 °C) under ambient light.

The "combined solution" may be further diluted with 500 mL of 5% Dextrose Injection, USP, and is physically and chemically stable for at least 48 hours at room temperature (22-25 °C) under ambient lighting.

Addition of the "combined solution" to 500 mL of 5% Dextrose Injection, USP, containing 1 mEq of sodium bicarbonate results in an admixture which has been found to be chemically stable for at least 96 hours at room temperature.

NOTE: The hydrochloride salt of amsacrine is poorly water soluble. As a result, the "combined solution" is physically incompatible with Sodium Chloride Injection, USP, and other chloride-containing solutions. Admixture with these solutions may result in precipitation.

Evacuated flasks may contain a small amount of chloride-containing solution from the manufacturing process. This residual chloride ion has been sufficient to cause precipitation when amsacrine solutions have been prepared in evacuated flasks.

CAUTION: These single-use solutions do not contain antibacterial preservatives. Therefore, it is advised that the vials be discarded within 8 hours of initial entry.

Route of Administration: Intravenous