

COMPONENTS: (1) Zinc, (T-4)-bis(4-amino-N-2-thiazolyl-benzenesulfonamidato-N ^N ,O)- (Zn(II) sulfathiazole); $C_{18}H_{16}N_6O_4S_4Zn$; [12286-43-0] (2) Water; H_2O ; [7732-18-5]	ORIGINAL MEASUREMENTS: Fox, Ch. L., Jr.; Modak, S.; Stanford, J. W.; Fox, P. L. <i>Scand. J. Plast. Reconstr. Surg.</i> <u>1979</u> , <i>13(1)</i> , 89-94.
VARIABLES: One temperature: 28-30°C	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of Zn(II) sulfathiazole in water at room temperature (28-30°C)^a is 50.4 mg% (8.78×10^{-4} mol dm⁻³ solution, compiler).</p> <p>^aValue given by one of the authors (S.M.) in personal communication.</p>	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: Satd soln of Zn(II) sulfadiazine was prepd in water and after 24 h aliquots from the clear supernatant were assayed for sulfathiazole content using the colorimetric method of Bratton and Marshall (1). The soly value was then calculated from the molecular formula.	SOURCE AND PURITY OF MATERIALS: The Zn(II) sulfathiazole was prepd by the authors as follows: an inorg Zn salt was reacted with Na salt of sulfathiazole and the ppt was analyzed and characterized. No details were given, however. Purity of the materials was not specified.
ESTIMATED ERROR: Nothing specified	
REFERENCES: 1. Bratton, A. C.; Marshall, E. K. Jr. <i>J. Biol. Chem.</i> <u>1939</u> , <i>120</i> , 537.	