

COMPONENTS: (1) Benzenesulfonamide, 4-amino-, zinc salt (2:1) (Zn(II) sulfanilamide); $C_{12}H_{14}N_4O_4S_2Zn$; [78739-60-3] (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>Solubility of Zn(II) sulfanilamide in water at room temperature (28-30°C)^a is 197.0 mg% (4.831×10^{-3} mol dm⁻³ solution, compiler).</p> <p>^a Values given by one of the authors (S. M.) in personal communication.</p>	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: <p>A satd soln of Zn(II) sulfanilamide was prepd in water and after 24 h aliquots from the clear supernatant were assayed for sulfanilamide content using the colorimetric method of Bratton and Marshall (1). The soly value was then calcd from the molecular formula.</p>	SOURCE AND PURITY OF MATERIALS: <p>The Zn(II) sulfanilamide was prepd by the authors as follows: an inorg Zn salt was reacted with a Na salt of sulfanilamide and the ppt was said to be analyzed and characterized. No analytical results or spectral evidence was provided, however. Purity of the water was not specified.</p> ESTIMATED ERROR: Nothing specified.
REFERENCES: 1. Bratton, A. C.; Marshall, E. K., <i>J. Biol. Chem.</i> <u>1939</u> , <i>120</i> , 537.	

COMPONENTS: (1) Acetamide, N-[(4-aminosulfonyl)-phenyl]- (acetyl sulfanilamide); $C_8H_{10}N_2O_3S$; [121-61-9] (2) Water; H_2O ; [7732-18-5]	ORIGINAL MEASUREMENTS: Durel, M. P.; Allinne, M. <i>Bull. Soc. Med. Hop. Paris III</i> <u>1941</u> , 251-9.
VARIABLES: One temperature: 37°C	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: Solubility of acetyl sulfanilamide in water at 37°C is 14.8 g/liter (6.90×10^{-2} mol dm^{-3} , compiler).	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: A mixt of acetyl sulfanilamide and water was agitated for 24 hours at 37°C.	SOURCE AND PURITY OF MATERIALS: Source and purity of acetyl sulfanilamide was not specified. Distilled water was used. ESTIMATED ERROR: Nothing specified. REFERENCES: