COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) Benzenesulfonamide, 4-amino-N-(5-amino-1,3,4-thiadiazol-2-yl)-; $C_8H_9N_5O_2S_2$; [71119-25-0] (2) Water; H_2O; [7732-18-5]	Anderson, G. W.; Faith, H. E.; Marson, H.W. Winnek, P. S.; Roblin, R. O. Jr. *J. Am. Chem. Soc.* 1942, *64*, 2902-5.
VARIABLES: One temperature: 37°C	**PREPARED BY:** R. Piekos

EXPERIMENTAL VALUES:

Solubility of 4-amino-N-(5- amino-1,3,4-thiadiazol-2-yl)benzene-sulfonamide in water at 37°C is 36.3 mg/100 cm^3 solution (1.34×10^{-3} mol dm^{-3}, compiler).

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:

Excess sulfonamide in water was heated and stirred on a steam bath for 30 min. The suspension was then agitated for 24 h in a thermostat. A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed with those of the standards.

SOURCE AND PURITY OF MATERIALS:

The sulfonamide, mp 259°C (cor), was prepd by the authors. Anal. %C 35.3 (calcd 35.4); %H 3.5 (3.7); %N 25.5 (25.8). Purity of the water was not specified.

ESTIMATED ERROR:

Nothing specified.

REFERENCES:

1. Bratton, A. C.; Marshall, E. K. Jr. *J. Pharmacol.* 1939, *66*, 4.