COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) Benzensulfonamide, 4-amino-N-1,3,4-thiadiazol-2-yl-; $C_8H_8N_4O_2S_2$; [16806-29-4]	Roblin, R.O., Jr.; Williams, J. H.; Winnek, P. S.; English, J. P.
(2) Water; H_2O; [7732-18-5]	*J. Am. Chem. Soc.* 1940, *62*, 2002-5.
VARIABLES:	PREPARED BY:
One temperature: 37°C	R. Piekos

EXPERIMENTAL VALUES:

Solubility of 4-amino-N-1,3,4-thiadiazol-2-ylbenzenesulfonamide in water at 37°C is 73 mg/100 cm^3 solution (2.85×10^{-3} mol dm^{-3}, compiler).

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:	SOURCE AND PURITY OF MATERIALS:
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 The suspension was then agitated for 24 h in a thermostat at 37°C. A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed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.	The sulfonamide, mp 216-18°C (dec, cor), was prepd by the authors. Anal: %C 38.1 (calcd 37.5); %H 2.9 (3.1); %N 21.0 (21.8). 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.