COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) Benzenesulfonamide, 4-amino-N-(4-methyl-1,2,5-oxadiazol-3-yl)-; $C_9H_{10}N_4O_3S$; [17103-53-6] (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-(4-methyl-1,2,5-oxadiazol-3-yl)benzenesulfonamide in water at 37°C is 180 mg/100 cm^3 solution (7.08 x 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. A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed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 148-50°C (cor), was prepd by the authors. Anal: %C 42.3 (calcd 42.5); %H 4.4 (3.9); %N 22.0 (22.0). 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.