

COMPONENTS: (1) Benzenesulfonamide, 4-amino-N-(5-methyl-1,2,4-oxadiazol-3-yl)-; $C_9H_{10}N_4O_3S$; [723-47-7] (2) Water; H_2O ; [7732-18-5]	ORIGINAL MEASUREMENTS: Anderson, G. W.; Faith, H.E.; Marson, H.W.; Winnek, P. S.; Roblin, R. O., Jr. <i>J. Am. Chem. Soc.</i> <u>1942</u> , <i>64</i> , 2902-5.
VARIABLES: One temperature: $37^{\circ}C$	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of 4-amino-N-(5-methyl-1,2,4-oxadiazol-3-yl)benzenesulfonamide in water at $37^{\circ}C$ is 113 mg/100 cm^3 solution (4.44×10^{-3} mol dm^{-3}, compiler).</p>	
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 A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed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 $211-13^{\circ}C$, was prepd by the authors. Anal: %C 42.7 (calcd 42.5); %H 3.8 (3.9); %N 22.2 (22.0). Purity of the water was not specified. ESTIMATED ERROR: Nothing specified REFERENCES: 1. Bratton, A. C.; Marshall, E. K. Jr. <i>J. Pharmacol.</i> <u>1939</u> , <i>66</i> , 4.