

COMPONENTS: (1) Benzenesulfonamide, 4-amino-N-2-oxazolyl-; $C_9H_9N_3O_3S$; [17103-51-4] (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°C	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of 4-amino-N-2-oxazolylbenzenesulfonamide in water at 37°C is 282 mg/100 cm³ solution (1.18×10^{-2} 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 A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed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 175-6°C (cor), was prepd by the authors. Anal. %C 45.0 (calcd 45.2); %H 3.9 (3.8); %N 17.6 (17.6). 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.	