

COMPONENTS: (1) Benzenesulfonamide, 4-amino-N-2-benzothiazoly1-; $C_{13}H_{11}N_3O_2S_2$; [6138-01-8] (2) Water; H_2O ; [7732-18-5]	ORIGINAL MEASUREMENTS: Roblin, R. O., Jr.; Williams, J. H.; Winnek, P.S.; English, J. P. <i>J. Am. Chem. Soc.</i> <u>1940</u> , <i>62</i> , 2002-5.
VARIABLES: One temperature: 37°C	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of 4-amino-N-2-benzothiazoly1benzenesulfonamide in water at 37°C is 0.1 mg/100 cm³ solution (3×10^{-6} 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 The suspension was then agitated for 24 h in a thermostat at 37°C. A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed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.	SOURCE AND PURITY OF MATERIALS: The sulfonamide, mp 304-5°C (cor, dec) was prepd by the authors. Anal: %C 38.2 (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. <i>J. Pharmacol.</i> <u>1939</u> , <i>66</i> , 4.