

COMPONENTS: (1) Benzenesulfonamide, 4-amino-N-1H-imidazol-2-yl-; $C_9H_{10}N_4O_2S$; [17103-46-7] (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°C	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: Solubility of 4-amino-N-1H-imidazol-2-ylbenzenesulfonamide in water at 37°C is 178 mg/100 cm ³ solution (7.47×10^{-3} mol dm ⁻³ , compiler).	
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 A sample of the satd soln was withdrawn through a glass filter, dild, and analyzed by the Marshall method (1) using a General Electric recording spectrophotometer for comparing the colors developed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 262°C (cor) was prepd by the authors. Anal: %C 45.8 (calcd 45.4); %H 4.6 (4.2); %N 23.7 (23.5). 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.	