

COMPONENTS: (1) Benzenesulfonamide, 4-amino-N-(3-methyl-2,3-dihydro-2-thiazolyl)-; $C_{10}H_{11}N_3O_2S_2$; [51203-20-4] (2) Water; H_2O ; [7732-18-5]	ORIGINAL MEASUREMENTS: Shepherd, R. G.; Bratton, A. C.; Blanchard, K. C.; <i>J. Am. Chem. Soc.</i> <u>1942</u> , 64, 2532-7.
VARIABLES: One temperature: 37°C	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of 4-amino-N-(3-methyl-2,3-dihydro-2-thiazolyl) benzene-sulfonamide in water at 37°C is 22 mg% (8.2×10^{-4} mol dm⁻³ solution, compiler).</p>	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: The sulfonamide was assayed colorimetrically (1). No details were given.	SOURCE AND PURITY OF MATERIALS: The sulfonamide, mp 250-1°C, was synthesized by the authors. Analysis: %C 44.49 (calcd 44.60); %H 4.13 (4.12); %N 15.54 (15.60). Colorimetric factor: 0.656 (calcd 0.639). Purity of the water was not specified.
ESTIMATED ERROR: Nothing specified	
REFERENCES: 1. Bratton, A. C.; Marshall, E. K., Jr. <i>J. Biol. Chem.</i> <u>1939</u> , 128, 537.	

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VARIABLES: One temperature: 37°C	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of 4-amino-N-(3-methyl-2,3-dihydro-2-thiazolyl)benzenesulfonamide in water at 37°C is 0.569 mmol dm⁻³ solution.</p>	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: The sulfonamide was assayed by diazotization. No details were given.	SOURCE AND PURITY OF MATERIALS: The sulfonamide was synthesized by the authors. Its purity was not specified. Deionized water was used. ESTIMATED ERROR: Soly: not specified. Temp: ±1°C (authors). REFERENCES:

COMPONENTS: (1) Benzenesulfonamide, 4-amino-N-(3-methyl-2,3-dihydro-2-thiazolyl)- $C_{10}H_{11}N_3O_2S_2$; [51203-20-4] (2) Methane-, trichloro-; $CHCl_3$; [67-66-3]	ORIGINAL MEASUREMENTS: Kitao, K.; Kubo, K.; Morishita, T.; Yata, N.; Kamada, A. <i>Chem. Pharm. Bull.</i> 1973, 21, 2417-26.
VARIABLES: One temperature: 37°C	PREPARED BY: R. Piekos
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of 4-amino-N-(3-methyl-2,3-dihydro-2-thiazolyl)benzene-sulfonamide in $CHCl_3$ at 37°C is 3.15 mmol dm^{-3} solution.</p>	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: One ml of the sulfonamide soln in $CHCl_3$ at equilibrium was taken into a test tube. After evapn of the solvent, the residue was dissolved in 1N HCl, the soln was properly dild with dionized water and the concn of the sulfonamide was detd by diazotization.	SOURCE AND PURITY OF MATERIALS: The sulfonamide was synthesized by the authors. Its purity was not specified. Neither source nor purity of the $CHCl_3$ was specified. ESTIMATED ERROR: Soly: not specified. Temp: $\pm 1^\circ C$ (authors). REFERENCES: