COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) Benzenesulfonamide, 4-amino-N-[5-(3-methylbutyl)-1,3,4-thiadiazol-2-yl]-; $C_{13}H_{18}N_4O_2S_2$; [71119-29-4] (2) Phosphoric acid, disodium salt; Na_2HPO_4; [7558-94-4] (3) 1,2,3-Propanetricarboxylic acid, 2-hydroxy- (citric acid); $C_6H_8O_7$; [77-92-9] (4) Water; H_2O; [7732-18-5]	Alric, R.; Puech, R. *J. Pharmacol. (Paris)* 1971, *2(2)*, 141-54.
VARIABLES:	PREPARED BY:
One temperature: 37°C; one pH: 3.5	R. Piekos

EXPERIMENTAL VALUES:

Intrinsic solubility[a] of 4-amino-N-[5-(3-methylbutyl)-1,3,4-thiadiazol-2-yl]benzenesulfonamide in a solution 0.025M in Na_2HPO_4 and 0.05M in citric acid, of pH 3.5, at 37°C is (0.90 ± 0.06) x 10^{-4} mol liter^{-1}.

[a]Under "intrinsic solubility" a minimum on the solubility - pH curve is meant which corresponds to the limiting concentration of the undissociated form of the sulfonamide.

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:	SOURCE AND PURITY OF MATERIALS:
The soln was equilibrated for 48 h in a thermostat under occasional stirring. Samples were withdrawn through a 1-μ membrane filter, dild with 0.155M NaOH soln to ensure total dissocn of the sulfonamide, and its content was detd by UV spectrophotometry.	Nothing specified.
	ESTIMATED ERROR: Soly: std error of 8 measurements was ±0.06 x 10^{-4} mol liter^{-1} (authors). pH : accuracy ±0.5 pH unit (authors). Temp: ±0.1°C (authors).
	REFERENCES: