COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) Benzenesulfonamide, 4-amino-N-(4,5-dimethyl-2-oxazolyl)-; $C_{11}H_{13}N_3O_3S$; [729-99-7] (2) Hydrochloric acid: HCl; [7647-01-0] (3) Sodium chloride; NaCl; [7647-14-5] (4) Water; H_2O; [7732-18-5]	Hamlin, W.E.; Northam, J.J.; Wagner, J.G. *J. Pharm. Sci.* 1965, *54*, 1651-3.
VARIABLES: One temperature: 37°C	PREPARED BY: R. Piekos

EXPERIMENTAL VALUES:

Solubility of 4-amino-N-(4,5-dimethyl-2-oxazolyl)benzenesulfonamide in a 0.05 N HCl (ionic strength 0.1 with NaCl; pH 1.3) solution at 37°C is 6.10 mg/ml solution (2.28×10^{-2} mol dm^{-3}, compiler).

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:	SOURCE AND PURITY OF MATERIALS:
Excess powd compd was equilibrated in a thermostat by rotating a vial contg the suspension for at least 48 h. The soln was filtered from excess solids at 37°C. The filtrate, after appropriate diln, was assayed spectrophotometrically.	The sulfonamide was a brand of Normark-Werke GmbH, Hamburg, Germany. Its purity was not specified. Purity of the remaining materials was not specified.
	ESTIMATED ERROR: Soly: the average of 2 or more detns is given (authors). Temp: not specified.
	REFERENCES:

COMPONENTS:

(1) Benzenesulfonamide, 4-amino-N-(4,5-dimethyl-2-oxazolyl)- (sulfuno); $C_{11}H_{13}N_3O_3S$; [729-99-7]

(2) Phosphoric acid, disodium salt; Na_2HPO_4; [7558-94-4]

(3) Phosphoric acid, monopotassium salt; KH_2PO_4; [7778-77-0]

(4) Water; H_2O; [7732-18-5]

VARIABLES:

pH

ORIGINAL MEASUREMENTS:

Kuhnert-Brandstätter, M.; Martinek, A.

Microchim. Ichnoanal. Acta. 1956, 909-19.

PREPARED BY:

R. Piekos

EXPERIMENTAL VALUES:

pH	Solubility of sulfuno in a 0.066 M phosphate buffer (according to Sørensen) at 20°C			
	Crystalline form I		Crystalline form II	
	mg%	10^3 mol dm^{-3} [a]	mg%	10^3 mol dm^{-3} [a]
6.0	96.1	3.595	87.6	3.277
7.3	167.7	6.274	145.6	5.447

[a] Calculated by compiler

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:

Sulfuno and the buffer soln were placed in a polyethylene vessel, agitated for 3.5 h under exclusion of oxygen, filtered, and the sulfonamide was assayed in the filtrate by uv spectrophometry. The solid phase was examd for identity of the cryst form.

SOURCE AND PURITY OF MATERIALS:

A comm available form II of sulfuno was used. Form I was obtained by recrystn of form II from 2-propanol. Distilled water was used. The source and purity of the remaining materials was not specified.

ESTIMATED ERROR:

Soly: not specified
pH : not specified
Temp: ±0.5°C (authors)

REFERENCES:

COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) Benzenesulfonamide, 4-amino-N-(4,5-dimethyl-2-oxazolyl)- (sulfuno); $C_{11}H_{13}N_3O_3S$; [729-99-7] (2) Hydrochloric acid; HCl; [7647-01-0] (3) 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, disodium salt; $C_6H_6Na_2O_7$; [144-33-2] (4) Water; H_2O; [7732-18-5]	Kuhnert-Brandstätter, M.; Martinek, A. *Microchim. Ichnoanal. Acta* 1956, 909-19.
VARIABLES: One temperature: 20°C; one pH: 3.8	PREPARED BY: R. Piekos

EXPERIMENTAL VALUES:

Solubility of crystalline forms I and II of sulfuno in a 0.066 M citrate buffer (according to Sørensen) of pH 3.8 at 20°C is 91.7 mg% (3.40×10^{-3} mol dm^{-3}, compiler) and 84.6 mg% (3.16×10^{-3} mol dm^{-3}, compiler), respectiviely.

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:	SOURCE AND PURITY OF MATERIALS:
Sulfuno and the buffer soln were placed in a polyethylene vessel, agitated for 3.5 h under exclusion of oxygen, filtered, and the sulfonamide was assayed in the filtrate by uv spectrophotometry. The solid phase was examd thermomicroscopically for identity of the cryst form.	A comm available form II of sulfuno was used. Form I was obtained by recrystn of form II form 2-propanol. Distilled water was used. The source and purity of the remaining materials was not specified.
	ESTIMATED ERROR: Soly: not specified pH : not specified Temp: ±0.5°C (authors)
	REFERENCES: