

<b>COMPONENTS:</b>  (1) Scandium bromide; $\text{ScBr}_3$ ; [13465-59-3]  (2) 1,4-Dioxane (p-dioxane); $\text{C}_4\text{H}_8\text{O}_2$ ; [123-91-1]	<b>ORIGINAL MEASUREMENTS:</b> Kirmse, E. M.  <i>Zh. II Vses. Konf. po Teor. Rastvorov</i> <u>1971</u> , 200-6.
<b>VARIABLES:</b>  One temperature: $T/K = 298$	<b>PREPARED BY:</b>  T. Mioduski
<b>EXPERIMENTAL VALUES:</b>  The solubility of $\text{ScBr}_3$ in p-dioxane at $25^\circ\text{C}$ was reported to be <p style="text-align: center;">1.0 mass %</p> The corresponding molality calculated by the compiler is <p style="text-align: center;"><math>0.035 \text{ mol kg}^{-1}</math></p>	
<b>AUXILIARY INFORMATION</b>	
<b>METHOD/APPARATUS/PROCEDURE:</b> Nothing specified. On the basis of previous papers of the author, it appears that reaction mixtures were equilibrated for several days and Sc determined by complexometric titration using xylenol orange indicator.	<b>SOURCE AND PURITY OF MATERIALS:</b> Nothing specified. Presumably, the anhydrous bromide was prepared by the method of Taylor and Carter (1).  <b>ESTIMATED ERROR:</b> Nothing specified.
	<b>REFERENCES:</b> 1. Taylor, M. D.; Carter, C. P. <i>J. Inorg. Nucl. Chem.</i> <u>1962</u> , <i>24</i> , 387.