

COMPONENTS: (1) Europium (II) bromide; EuBr_2 ; [13780-48-8] (2) Alkyl ethers			ORIGINAL MEASUREMENTS: Kirmse, E.M.; Dressler, H. Z. Chem. <u>1975</u> , 15, 239-40.	
VARIABLES: Room Temperature (293-298 K)			PREPARED BY: T. Mioduski and M. Salomon	
EXPERIMENTAL VALUES:				
			EuBr ₂ solubility ^a	
solvent			mass %	mol kg ⁻¹
1-methoxybutane;	$\text{C}_5\text{H}_{12}\text{O}$;	[628-28-4]	0.15	0.0048
1-methoxypentane;	$\text{C}_6\text{H}_{14}\text{O}$;	[628-80-8]	0.9	0.029
1-methoxyheptane;	$\text{C}_8\text{H}_{18}\text{O}$;	[629-32-3]	1.5	0.049
1-methoxyoctane;	$\text{C}_9\text{H}_{20}\text{O}$;	[929-56-6]	1.4	0.046
1-methoxynonane;	$\text{C}_{10}\text{H}_{22}\text{O}$;	[7289-51-2]	0.04	0.0013
1-methoxydecane;	$\text{C}_{11}\text{H}_{24}\text{O}$;	[7289-52-3]	0.7	0.023
^a Molalities calculated by the compilers. Compositions of the solid phases were not specified.				
AUXILIARY INFORMATION				
METHOD/APPARATUS/PROCEDURE: The solute-solvent mixtures were isothermally agitated (at room temperature) until equilibrium was attained. The anhydrous reagents were handled in a dry box containing P_4O_{10} . Eu was determined by complexometric titration using Xylenol Orange indicator. The reported solubilities are mean values based on four determinations.			SOURCE AND PURITY OF MATERIALS: Nothing specified.	
			ESTIMATED ERROR: Nothing specified.	
			REFERENCES:	