

# Diffusion coefficient of 4-[2-(4-hydroxyphenyl)propan-2-yl]phenol in water

## 3 Diffusion in Liquid Mixtures

### 3.1. Data

#### 3.1.1. Diffusion in Binary Mixtures

C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>	(1)	4-[2-(4-hydroxyphenyl)propan-2-yl]phenol	80-05-7
H <sub>2</sub> O	(2)	water	7732-18-5
Mutual Diffusion Coefficient: $D_{12}(T)$ ; Method: TAYLOR			Ref.: [2000N1]
$T$ [K]	$p$ [kPa]	$D \cdot 10^9$ [m <sup>2</sup> /s]	
277.2 ± 0.01	101.32	0.220	
298.2 ± 0.01	101.32	0.508	
323.2 ± 0.01	101.32	0.958	
Comment: effective concentration of solute: $c_1 = 0.00002$			

### Symbols and Abbreviations

Short Form	Full Form
$D$	diffusion coefficient
$p$	pressure
$T$	temperature
TAYLOR	Taylor dispersion technique

### References

[2000N1] Niesner, R., Heintz, A.: J. Chem. Eng. Data **45** (2000) 1121–1124.