Table 1. The **UNIQUAC** structural parameters (r and q) for pure components

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| Components | r | q |
| Water | 0.92 | 1.40 |
| Butyric acid | 3.55 | 3.15 |
| n-Hexane | 4.50 | 3.86 |
| n-Hexanol | 4.80 | 4.13 |
| pentane | 3.825 | 3.316 |
| cyclohexane | 4.046 | 3.240 |