

Supporting Material

Solubility determination, model correlation and solvent effect analysis of nisoldipine in different solvents system at a series of temperature

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Modified Apelblat model

$$\ln x = A + B / (T / K) + C \ln (T / K) \quad (\text{S1})$$

In above equation, A , B and C are the adjustable parameters in this model, x is the solubility of solute in mole fraction.

λh model

$$\ln \left[1 + \frac{\lambda (1-x)}{x} \right] = \lambda h \left(\frac{1}{T / K} - \frac{1}{T_m / K} \right) \quad (\text{S2})$$

In equation (S2), λ and h are two parameters in λh model, T_m is the melting temperature of nisoldipine in Kelvin.