

عنوان مقاله:

Comparison of Empirical Models in Solubility Predictions of Dye-stuffs in Supercritical Fluids

محل انتشار:

چهاردهمین کنگره ملی مهندسی شیمی ایران (سال: 1391)

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خلاصه مقاله:

Dyes solubility data collected from literature are used to compare the accuracy and feasibility of some empirical models proposed for correlation of solute solubility in supercritical fluids, in partsupercritical carbon dioxide. The aim of the present work is finding the most feasible and reliable model for solubility estimation in supercritical carbon dioxide. The general guidelines for new empirical correlation are summarized. As the results show, Jouyban et al.'s models is more accurate and feasible for solubility correlations

کلمات کلیدی:

Supercritical fluids, dye solubility, modeling, correlation, empirical models

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