Isothermal Vapor-Liquid Equilibrium for the Binary System of trifluoroiodomethane+ dimethyl carbonate

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VLE data for binary systems of trifluoroiodomethane (CF_3I) + dimethyl carbonate(DMC) were measured at three equal spaced temperatures between 293.15-313.15K. The data in the two-phase region were measured by using a circulation-type equilibrium apparatus in which both vapor and liquid phases were recirculated. The experimental data were correlated with the Peng-Robinson equation of state used the Wong-Sandler mixing rule with combine NRTL excess Gibbs free energy model. It is confirmed that the data calculated by this equation of state is in good agreement with experimental data.