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Commentary on “Solubility and solution thermodynamics of cetilistat in water and (acetone, isopropyl alcohol, acetonitrile) binary solvent mixtures”

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Abstract

Experimental solubility data reported in the recent paper by Ji and coworkers [J. Mol. Liq., 224 (2016) 1380-1387] has been reanalyzed. Several sets of calculated equation coefficients given in the manuscript for the polynomial version of the Combined Nearly Ideal Binary Solvent/Redlich-Kister model and the polynomial version of the van't Hoff-Jouyban-Acree model predict mole fraction solubilities of cetilistat that exceed unity.

Key Words and Phrases:

Cetilistat solubility; binary aqueous-organic solvent mixtures; mathematical representation; solubility prediction

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