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Solubility of Adipic Acid in Organic Solvents and Water

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#	Paper	IF	Citations
54	Prediction of solubility curves and melting properties of organic and pharmaceutical compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 36, 330-44	5.1	98
53	Enthalpy of solvation correlations for organic solutes and gases dissolved in N,N-dimethylformamide and tert-butanol. <i>Journal of Molecular Liquids</i> , 2009 , 144, 23-31	6	28
52	Enthalpy of solvation correlations for organic solutes and gases dissolved in acetonitrile and acetone. <i>Thermochimica Acta</i> , 2009 , 484, 65-69	2.9	28
51	Solubility of Adipic Acid in Acetone, Chloroform, and Toluene. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 152-153	2.8	19
50	The partition of compounds from water and from air into wet and dry ketones. <i>New Journal of Chemistry</i> , 2009 , 33, 568-573	3.6	68
49	Development of Abraham model correlations for solvation characteristics of secondary and branched alcohols. <i>Fluid Phase Equilibria</i> , 2010 , 288, 121-127	2.5	41
48	Determination of the Adipic Acid Solubility Curve in Acetone by Using ATR-FTIR and Heat Flow Calorimetry. <i>Organic Process Research and Development</i> , 2011 , 15, 893-897	3.9	12
47	Enthalpy of solvation correlations for organic solutes and gases dissolved in 1-propanol and tetrahydrofuran. <i>Thermochimica Acta</i> , 2011 , 519, 103-113	2.9	21
46	Enthalpy of solvation correlations for organic solutes and gases dissolved in 2-propanol, 2-butanol, 2-methyl-1-propanol and ethanol. <i>Thermochimica Acta</i> , 2011 , 523, 214-220	2.9	24
45	Apparent molal volumes of sodium salts of some aliphatic carboxylic acids in water at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2011 , 49, 366-378	1.5	8
44	The role of temperature in cloud droplet activation. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 9706-17	2.8	30
43	Enthalpy of solvation correlations for organic solutes and gases dissolved in dichloromethane and 1,4-dioxane. <i>Structural Chemistry</i> , 2013 , 24, 1841-1853	1.8	22
42	Measurements of the sensitivity of aerosol hygroscopicity and the κ parameter to the O/C ratio. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 14120-31	2.8	80
41	Identification and Molecular Understanding of the Odd-Even Effect of Dicarboxylic Acids Aqueous Solubility. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 18458-18465	3.9	32
40	Classifying organic materials by oxygen-to-carbon elemental ratio to predict the activation regime of Cloud Condensation Nuclei (CCN). <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5309-5324	6.8	48
39	Solubilities of Adipic Acid and Succinic Acid in a Glutaric Acid + Acetone or n-Butanol Mixture. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 4062-4069	2.8	26
38	Combinatorial approach to develop tailored biodegradable poly(xylitol dicarboxylate) polyesters. <i>Biomacromolecules</i> , 2014 , 15, 4302-13	6.9	29

37	Solid-Liquid Equilibrium and Phase Diagram for the Ternary Succinic Acid + Glutaric Acid + Water System. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2589-2594	2.8	11
36	Tablet Formulation and Enhancement of Aqueous Solubility of Efavirenz by Solvent Evaporation Co-Crystal Technique. 2015 , 08,		5
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34	Solubility prediction, solvate and cocrystal screening as tools for rational crystal engineering. <i>Journal of Pharmacy and Pharmacology</i> , 2015 , 67, 803-11	4.8	68
33	Controlled Release of Salicylic Acid from Biodegradable Cross-Linked Polyesters. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3479-89	5.6	23
32	Microscale Solubility Measurements of Matrix-Assisted Laser Desorption-Ionization (MALDI) Matrices Using Attenuated Total Reflection (ATR) Fourier Transform Infrared Spectroscopy (FT-IR) Coupled with Partial Least Squares (PLS) Analysis. <i>Applied Spectroscopy</i> , 2016 , 70, 1831-1841	3.1	1
31	Thermodynamics of cis,cis-muconic acid solubility in various polar solvents at low temperature range. <i>Journal of Molecular Liquids</i> , 2016 , 222, 823-827	6	4
30	Automation of Solubility Measurements on a Robotic Platform. <i>Chemical Engineering and Technology</i> , 2016 , 39, 1049-1057	2	5
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28	Determination and modeling of binary and ternary solid-liquid phase equilibrium for the systems formed by adipic acid, urea and diethylene glycol. <i>Fluid Phase Equilibria</i> , 2016 , 412, 1-8	2.5	6
27	Determination and correlation of solid-liquid phase equilibrium and phase diagram for multicomponent system of mixed dibasic acids. (I) Ternary system of adipic acid+glutaric acid+ethanol system. <i>Fluid Phase Equilibria</i> , 2016 , 409, 256-263	2.5	15
26	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid and Succinic Acid in Acetic Acid + Cyclohexanone Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 1269-1277	2.8	20
25	Determination and correlation of solid-liquid phase equilibrium and phase diagram for multicomponent system of mixed dibasic acids. (IV) Quaternary system of (adipic acid + succinic acid + glutaric acid + ethanol). <i>Journal of Chemical Thermodynamics</i> , 2017 , 110, 243-251	2.9	8
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23	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Dimethyl Adipate + Methanol Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3124-3137	2.8	13
22	Investigation on solubility of hydroxy dibasic acids in alkanolamine solutions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 283, 012023	0.4	
21	Descriptors for the α -dicarboxylic acids from oxalic acid to sebacic acid. <i>Fluid Phase Equilibria</i> , 2018 , 467, 17-24	2.5	6
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19	Parametric Study of Solder Flux Hygroscopicity: Impact of Weak Organic Acids on Water Layer Formation and Corrosion of Electronics. <i>Journal of Electronic Materials</i> , 2018 , 47, 4190-4207	1.9	23
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17	Degradable poly(ester amide)s from olive oil for biomedical applications. <i>Emergent Materials</i> , 2019 , 2, 153-168	3.5	4
16	Automated solubility and crystallization analysis of non-UV active compounds: integration of evaporative light scattering detection (ELSD) and robotic sampling. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 1674-1681	4.9	7
15	Phase Equilibrium Involving Xylose, Water, and Ethylene Glycol or 1,2-Propylene Glycol at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2163-2169	2.8	1
14	Preparation, characterization, and evaluation of celecoxib eutectic mixtures with adipic acid/saccharin for improvement of wettability and dissolution rate. <i>International Journal of Pharmaceutics</i> , 2019 , 554, 61-71	6.5	23
13	Measurement and correlation for solubilities of succinic acid, glutaric acid and adipic acid in five organic solvents. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111735	6	3
12	Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Dimethyl Glutarate + Methanol Mixtures: Experimental Measurement and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 56-67	2.8	
11	Solubility and Pseudo Polymorphic Behavior of Nicotinic Acid in Alcoholic Solutions: Experimental Data and Phase Equilibrium Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 1319-1326	3.9	2
10	Modeling and parameters estimation for the solubility calculations of nicotinamide using UNIFAC and COSMO-based models. <i>Fluid Phase Equilibria</i> , 2021 , 535, 112970	2.5	5
9	Ultrasound in Continuous Tubular Crystallizers: Parameters Affecting the Nucleation Rate. <i>Crystals</i> , 2021 , 11, 1054	2.3	2
8	Bio-based adipic acid production: feasibility analysis using a multi-criteria decision matrix. <i>Biofuels, Bioproducts and Biorefining</i> , 2020 , 14, 794-807	5.3	5
7	Classifying organic materials by oxygen-to-carbon elemental ratio to predict the activation regime of cloud condensation nuclei (CCN).		3
6	Cocrystals of betulin with adipic acid: preparation and thermal behavior. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	0
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4	Importance of PCBA cleanliness in humidity interaction with electronics. 2022 , 141-196		
3	Measurement and Correlation for Solubilities of Adipic Acid, Glutaric Acid, and Succinic Acid in Different Alcohol Solvents. <i>Journal of Chemical & Engineering Data</i> , 2022 , 67, 245-256	2.8	
2	Continuous Crystallization Using Ultrasound Assisted Nucleation, Cubic Cooling Profiles and Oscillatory Flow. <i>Processes</i> , 2021 , 9, 2268	2.9	

1 Salts of rucaparib with dicarboxylic acids: synthesis, crystal structures and solubility.

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