Solvates of Sildenafil Saccharinate. A New Host Material

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Crystal Growth and Design, 2006, 6, 1468-1478.

#	Paper	IF	Citations
52	Synthon robustness in saccharinate salts of some substituted pyridines. *CrystEngComm*, **2006**, 8, 680	3.3	30
51	Polymorphs of 1,1-bis(4-hydroxyphenyl)cyclohexane and multiple ZXcrystal structures by melt and sublimation crystallization. *Chemical Communications*, **2006**, 4918-20	5.8	56
50	Crystal structure of Na4Li4(saccharinate)8□14H2O and its comparison with other alkali metal saccharinates. *Journal of Molecular Structure*, **2007**, 871, 73-79	3.4	1
49	Polymorphism and solvatomorphism 2006. *Journal of Pharmaceutical Sciences*, **2008**, 97, 3611-36	3.9	33
48	Hierarchy of Supramolecular Synthons: Persistent Carboxylic Acid□□Pyridine Hydrogen Bonds in Cocrystals That also Contain a Hydroxyl Moiety. *Crystal Growth and Design*, **2008**, 8, 4533-4545	3.5	388
47	Solid state structural studies of saccharin salts with some heterocyclic bases. *CrystEngComm*, **2008**, 10, 996	3.3	15
46	Dimorphs of a 1 : 1 cocrystal of ethenzamide and saccharin: solid-state grinding methods result in metastable polymorph. *CrystEngComm*, **2009**, 11, 889	3.3	65
45	Polymorphism and versatile solvate formation of thiophanate-methyl. *CrystEngComm*, **2009**, 11, 2536	3.3	20
44	Unusual Conformations of a Hexa-Host Molecule in Solvate Inclusion Compounds. *Crystal Growth and Design*, **2009**, 9, 1599-1604	3.5	22
43	Host□guest complexes of docetaxel, an anti-cancer drug. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2010**, 66, 261-269		3
42	Polymorphs and Solvates of a Cocrystal Involving an Analgesic Drug, Ethenzamide, and 3,5-Dinitrobenzoic Acid. *Crystal Growth and Design*, **2010**, 10, 2229-2238	3.5	90
41	Structural Study on Solvates of Dopamine-Based Cyclic Imide Derivatives. *Crystal Growth and Design*, **2011**, 11, 768-777	3.5	22
40	Solvates of Ajmaline and Two-Dimensional Isostructurality between Methanol and Ethanol Solvates. *Crystal Growth and Design*, **2011**, 11, 905-909	3.5	13
39	Hydrogen Bonded 3D Supramolecular Architectures of Three Saccharinate Salts. *Journal of Chemical Crystallography*, **2011**, 41, 1085-1092	0.5	4
38	Effect of dehydration on the mechanical properties of sodium saccharin dihydrate probed with nanoindentation. *CrystEngComm*, **2012**, 14, 2489-2493	3.3	47
37	Crystal Design Approaches for the Synthesis of Paracetamol Co-Crystals. *Crystal Growth and Design*, **2012**, 12, 4870-4879	3.5	29
36	Crystal engineering of multiple-component organic solids: Pharmaceutical cocrystals of tadalafil with persistent hydrogen bonding motifs. *CrystEngComm*, **2012**, 14, 2377-2380	3.3	30

35	Molecular and Crystal Structure of Sildenafil Base. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2012**, 67, 491-494	1	16
34	Hydrogen Bonded 3D Supramolecular Architectures of Two Organic Salts Constructed from Saccharinate and 2-Aminoheterocyclic Compounds. *Journal of Chemical Crystallography*, **2012**, 42, 767-774	0.5	2
33	Concomitant pseudopolymorphs of 10-deacetyl baccatin III. *AAPS PharmSciTech*, **2013**, 14, 558-68	3.9	1
32	Ultrasound-assisted improvement of drug solubility: a simple and useful method for the formation of salts from 4-hydroxy-6-methyl-3-nitropyridin-2(1H)-one. *Monatshefte Fü Chemie*, **2013**, 144, 1165-1170	1.4	
31	Salt and cocrystals of sildenafil with dicarboxylic acids: solubility and pharmacokinetic advantage of the glutarate salt. *Molecular Pharmaceutics*, **2013**, 10, 4687-97	5.6	105
30	Adaptability of aripiprazole towards forming isostructural hydrogen bonding networks in multi-component salts: a rare case of strong OH?O- weak CH?O mimicry. *CrystEngComm*, **2013**, 15, 4321	3.3	10
29	Polymorphism through Desolvation of the Solvates of a van der Waals Host. *Crystal Growth and Design*, **2013**, 13, 606-613	3.5	38
28	Halogen bonding and pharmaceutical cocrystals: the case of a widely used preservative. *Molecular Pharmaceutics*, **2013**, 10, 1760-72	5.6	89
27	Network and guest dependent thermal stability and thermal expansion in a trigonal host. *Journal of Chemical Sciences*, **2014**, 126, 1265-1273	1.8	5
26	Hydrogen-bonding patterns in a series of multi-component molecular solids formed by 2,3,5,6-tetramethylpyrazine with selected carboxylic acids. *CrystEngComm*, **2014**, 16, 7074-7089	3.3	19
25	On the Formation of Droperidol Solvates: Characterization of Structure and Properties. *Crystal Growth and Design*, **2014**, 14, 2654-2664	3.5	53
24	Ligand hierarchy on driving the crystal packing. Effect of supramolecular interactions on solid-state conformations adopted by saccharinate Pd(II) complexes. *CrystEngComm*, **2014**, 16, 7124	3.3	2
23	Isostructurality in six celecoxib co-crystals introduced by solvent inclusion. *CrystEngComm*, **2014**, 16, 10959-10968	3.3	11
22	Cocrystals of the Tuberculosis Drug Isoniazid: Polymorphism, Isostructurality, and Stability. *Crystal Growth and Design*, **2014**, 14, 5991-6005	3.5	81
21	Thermal investigation on polymorphism in sodium saccharine. *Journal of Thermal Analysis and Calorimetry*, **2014**, 117, 361-367	4.1	10
20	High Solubility Crystalline Pharmaceutical Forms of Blonanserin. *Crystal Growth and Design*, **2014**, 14, 2557-2570	3.5	23
19	Comparison and Rationalization of Droperidol Isostructural Solvate Stability: An Experimental and Computational Study. *Crystal Growth and Design*, **2014**, 14, 3639-3648	3.5	21
18	Why sildenafil and sildenafil citrate monohydrate crystals are not stable?. *Saudi Pharmaceutical Journal*, **2015**, 23, 504-14	4.4	8

17	Structural Characterization and Rationalization of Formation, Stability, and Transformations of Benperidol Solvates. *Crystal Growth and Design*, **2015**, 15, 2337-2351	3.5	36
16	Convenient synthesis, antibacterial activity, and crystal structure of some biologically important hydrazinecarbonyl benzenesulfonamides. *Research on Chemical Intermediates*, **2015**, 41, 3949-3970	2.8	2
15	Solid-state NMR and computational investigation of solvent molecule arrangement and dynamics in isostructural solvates of droperidol. *Solid State Nuclear Magnetic Resonance*, **2015**, 65, 12-20	3.1	17
14	Are Oxygen and Sulfur Atoms Structurally Equivalent in Organic Crystals?. *Crystal Growth and Design*, **2017**, 17, 827-833	3.5	25
13	Invariom-based comparative electron density studies of iso-sildenafil and sildenafil. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2017**, 72, 1-10	1	0
12	On the Formation and Desolvation Mechanism of Organic Molecule Solvates: A Structural Study of Methyl Cholate Solvates. *Crystal Growth and Design*, **2017**, 17, 5712-5724	3.5	22
11	Hydrogen bonding versus π-interactions: their key competition in sildenafil solvates. *CrystEngComm* , **2018**, 20, 4526-4530	3.3	5
10	The Phase Transformation and Formation Mechanism of Isostructural Solvates: A Case Study of Azoxystrobin. *Crystal Growth and Design*, **2019**, 19, 1550-1558	3.5	9
9	Novel Pharmaceutical Cocrystals and Salts of Bumetanide. *Crystal Growth and Design*, **2020**, 20, 793-803	3.5	9
8	The efficient development of a sildenafil orally disintegrating tablet using a material sparing and expedited approach. *International Journal of Pharmaceutics*, **2020**, 589, 119816	6.5	5
7	Sildenafil–Resorcinol Cocrystal: XRPD Structure and DFT Calculations. *Crystals*, **2020**, 10, 1126	2.3	9
6	Sildenafil 4.0-Integrated Synthetic Chemistry, Formulation and Analytical Strategies Effecting Immense Therapeutic and Societal Impact in the Fourth Industrial Era. *Pharmaceuticals*, **2021**, 14,	5.2	5
5	The Solid State Landscape of the Sildenafil Drug. *Journal of Pharmaceutical Sciences*, **2021**,	3.9	0
4	Polymorphic Solvates, Ionic-cocrystals and C-N Bond Formation to Form Ionic Cocrystal In Sulfamethoxazole and Sulfathiazole Derived Urea. *CrystEngComm*,	3.3	0
3	Crystal Engineering and its Chemistry: An Architectural Approach for Cocrystallization. *Current Materials Science*, **2022**, 15,	1.1	
2	Molecular and crystal structure of a copper(II) complex of sildenafil. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2022**, 77, 31-34	1	0
1	Crystal structures of sildenafil compounds with nitrate and di(citrato)zinc counterions. **2022**,		