Electronic Supplementary Material (ESI) for CrystEngComm.

SUPPORTING INFORMATION

Two-component molecular crystals: evaluation of formation thermodynamics based on melting points and sublimation data

German L. Perlovich

Department of Physical Chemistry of Drugs, Krestov's Institute of Solution Chemistry, Russian Academy of Sciences, 153045 Akademicheskaya str. 1, Ivanovo, Russia

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Table 1SI. Experimental and calculated data for the co-crystals of Acridine S2

* To whom correspondence should be addressed:

Telephone: +7-4932-533784; Fax: +7-4932- 336237; E-mail glp@isc-ras.ru

Table 1SI. Experimental and calculated data for the co-crystals of Acridine

API	CF[a]	Stoich	T_{fus}^{API} / °C	T_{fus}^{CF} / °C	T_{fus}^{CC} / °C	ΔG_{sub}^{API} / kJ·mol^{-1}	ΔH_{sub}^{API} / kJ·mol^{-1}	ΔG_{sub}^{CF} / kJ·mol^{-1}	ΔH_{sub}^{CF} / kJ·mol^{-1}	ΔG_{f}^{CC} / kJ·mol^{-1}	ΔH_{f}^{CC} / kJ·mol^{-1}	$T\Delta S_{f}^{CC}$ / kJ·mol^{-1}
Acridine	4-F-BA	1:1	100.8	185.0	381.5	40.5	97.9	36.8	93.1	-10.5	-13.6	-3.1
Acridine	BA	1:1	100.8	123.3	94.7	40.5	97.9	34.4	90.5	4.7	5.7	1.0
Acridine	2-F-BA	1:1	100.8	125.5	99.0	40.5	97.9	35.5	94.4	2.9	2.0	-0.9
Acridine	2-Cl-BA	1:1	100.8	140.8	95.5	40.5	97.9	41.0	101.5	-0.3	-2.3	-2.0
Acridine	2-Br-BA	1:1	100.8	149.6	93.5	40.5	97.9	44.1	108.5	-2.3	-6.9	-4.5
Acridine	2-I-BA	1:1	100.8	163.3	99.3	40.5	97.9	47.8	112.8	-3.8	-7.8	-4.0
Acridine	3-F-BA	1:1	100.8	124.6	122.9	40.5	97.9	34.4	93.6	-2.6	-1.8	0.8
Acridine	3-Cl-BA	1:1	100.8	154.8	129.5	40.5	97.9	41.0	100.6	0.0	0.1	0.1
Acridine	3-Br-BA	1:1	100.8	158.5	137.3	40.5	97.9	43.5	105.9	0.4	1.1	0.7
Acridine	3-I-BA	1:1	100.8	188.2	140.2	40.5	97.9	48.4	111.1	-0.4	-0.6	-0.3
Acridine	Phloroglucinol	2:1	100.8	216.0	222.0	40.5	97.9	69.4	135.5	20.8	27.0	6.3

[a] BA – Benzoic Acid;