

1 **Supplementary materials**

2 **Effect of temperature and polyols on the drug (ciprofloxacin**
3 **hydrochloride) mediated micellization of sodium dodecyl sulfate**

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1 **Table S1**2 The estimated values of A, B & C by regression analysis of least squares in different solvents.

C_{CFH} (mmol.kg ⁻¹)	Water			10 mmol.kg ⁻¹ glucose			10 mmol.kg ⁻¹ fructose		
	A	B	C	A	B	C	A	B	C
0.00	64.2600	-0.4246	0.0007	157.1600	-1.0818	0.0018	156.4100	-1.0749	0.0017
0.50	50.3850	-0.3335	0.0005	97.1890	-0.6899	0.0011	126.6900	-0.8822	0.0014
1.00	33.5680	-0.2242	0.0004	89.0720	-0.6385	0.0010	101.8600	-0.7200	0.0012
2.00	87.2780	-0.5781	0.0009	78.5830	-0.5685	0.0009	97.0030	-0.6882	0.0011

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5 **Table S2**

6 Enthalpy-entropy compensation parameters for SDS & SDS+CFH mixture in different solvents

C_{CFH} (mmo.kg ⁻¹)	Water		10 mmol.kg ⁻¹ glucose		10 mmol.kg ⁻¹ fructose	
	$\Delta H_m^{0,*}$	T_c	$\Delta H_m^{0,*}$	T_c	$\Delta H_m^{0,*}$	T_c
	kJ.mol ⁻¹	K	kJ.mol ⁻¹	K	kJ.mol ⁻¹	K
0.00	-34.09	325.10	-36.01	314.78	-33.58	301.33
0.50	-5.60	288.16	-33.08	302.06	-32.02	301.30
1.00	-5.82	344.88	-30.83	294.52	-32.86	318.04
2.00	-6.70	297.82	-31.26	299.11	-31.25	303.59

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