

Supplementary Information

Preparation and Performance of an Estradiol Templated Magnetic Sphere of Molecularly Imprinted Cryogel

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Table S1. Influence of mobile phase composition to selectivity

Mobile phase CH ₃ OH:H ₂ O (v/v)	Sample	Retention time / min		Capacity factor (<i>k</i>)		Imprinting factor (<i>I_f</i>)
		MMIC	MNIC	MMIC	MNIC	
100% CH ₃ OH	acetone	1.80	0.82	–	–	–
	E2	4.16	1.10	1.31	0.34	3.85
90:10	acetone	1.67	0.75	–	–	–
	E2	3.88	0.99	1.32	0.32	4.12
80:20	acetone	1.65	0.74	–	–	–
	E2	3.85	0.98	1.33	0.32	4.16
70:30	acetone	1.64	0.73	–	–	–
	E2	4.64	0.97	1.83	0.33	5.54
60:40	acetone	1.70	0.72	–	–	–
	E2	5.32	0.95	2.13	0.32	6.65

MMIC: magnetic molecularly imprinted cryogel; MNIC: magnetic non-imprinted cryogel.

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