

## Supplementary information for

### “Quantitative monitoring of the progress of organic reactions using multivariate image analysis-thin layer chromatography (MIA-TLC) method”

**Table S1** Calculation of conversion in percent using peak height as a signal

Time (s)	PB <sup>a</sup> peak height	PB <sub>cor</sub> signal	IS <sup>b</sup> peak height	IS <sub>cor</sub> signal	PB <sub>cor</sub> /IS <sub>cor</sub>	Conversion (%)
0	5979.18	5979.18	2114.72	2114.72	2.83	0
89	1500.29	2070.40	1656.07	2285.38	0.91	67.96
186	1643.98	2268.69	1943.81	2682.46	0.85	70.09
286	1501.63	2072.25	2199.63	3035.49	0.68	75.86
404	1128.99	1558.01	2136.70	2948.65	0.53	81.31
540	758.12	1046.21	2042.92	2819.23	0.37	86.88
645	560.67	773.72	2083.93	2875.82	0.27	90.48
852	315.69	435.65	2172.70	2998.33	0.15	94.86
1041	290.62	401.06	3650.85	5038.17	0.08	97.18
1443	3.05	4.21	2322.01	3204.37	0.00	99.87

a Phenyl benzoate

b Internal standard: 4'-phenylacetophenone

**Table S2** Calculation of conversion in percent using peak area as a signal

Time (s)	PB <sup>a</sup> peak area	PB <sub>cor</sub> signal	IS <sup>b</sup> peak height	IS <sub>cor</sub> signal	PB <sub>cor</sub> /IS <sub>cor</sub>	Conversion (%)
0	266611.12	266611.12	2114.72	2114.72	126.07	0
89	46342.36	63952.45	1656.07	2285.38	27.98	77.80
186	48423.97	66825.07	1943.81	2682.46	24.91	80.24
286	42800.80	59065.10	2199.63	3035.49	19.46	84.57
404	30346.31	41877.90	2136.70	2948.65	14.20	88.73
540	20208.85	27888.21	2042.92	2819.23	9.89	92.15
645	14312.13	19750.74	2083.93	2875.82	6.87	94.55
852	8838.39	12196.97	2172.70	2998.33	4.07	96.77
1041	8128.60	11217.46	3650.85	5038.17	2.23	98.23
1443	165.67	228.62	2322.01	3204.37	0.07	99.94

a Phenyl benzoate

b Internal standard: 4'-phenylacetophenone

Fig S1

