

Supplement 1 Parameters obtained for modeling of equation 1

Substance	Parameters						
	a	m _{RP}	m _{HILIC}	b	R ²	F	p
pseudouridine	1.40	40.51	118.11	0.43	0.9868	<u>154.32</u>	<u>1.37E-4</u>
uridine	1.10	91.72	481.41	0.21	0.8837	<u>23.65</u>	<u>0.002</u>
1-methyladenosine	1.21	196.14	2140.49	0.09	0.9630	<u>55.95</u>	<u>2.87E-4</u>
1-methylinosine	1.15	210.08	2530.20	0.09	0.9619	<u>54.55</u>	<u>3.05E-4</u>
2-deoxythymidine	0.63	111.31	785.01	0.15	0.9690	<u>80.29</u>	<u>1.19E-4</u>
cytidine	1.91	57.33	187.87	0.37	0.9571	<u>45.55</u>	<u>4.71E-4</u>
1-methylguanosine	1.49	282.81	4113.49	0.07	0.9756	<u>80.86</u>	<u>1.17E-4</u>
adenosine	1.26	77.72	330.28	0.27	0.9516	<u>40.06</u>	<u>6.40E-4</u>
guanosine	2.15	64.17	223.11	0.34	0.9416	<u>36.57</u>	<u>7.95E-4</u>
7-methylguanosine	1.58	49.38	175.62	0.33	0.8953	<u>25.65</u>	<u>0.002</u>
N ₂ -methylguanosine	1.93	379.96	7914.96	0.05	0.9707	<u>91.80</u>	<u>8.59E-5</u>
8-bromoguanosine	1.57	208.71	2624.48	0.08	0.9647	<u>68.34</u>	<u>6.82E-4</u>
cytosine	1.24	179.17	2631.43	0.07	0.9587	<u>48.91</u>	<u>3.97E-4</u>
uracil	0.40	28.79	87.89	0.40	0.9833	<u>300.40</u>	<u>4.60E-6</u>
thymine	<u>1.55</u>	<u>5.11</u>	<u>2.46</u>	<u>13.19</u>	<u>0.9046</u>	<u>24.98</u>	<u>0.002</u>
guanine	1.52	161.27	1937.53	0.09	0.9675	<u>58.89</u>	<u>9.12E-4</u>
adenine	1.31	318.58	6690.78	0.05	0.9346	<u>38.86</u>	<u>7.81E-4</u>