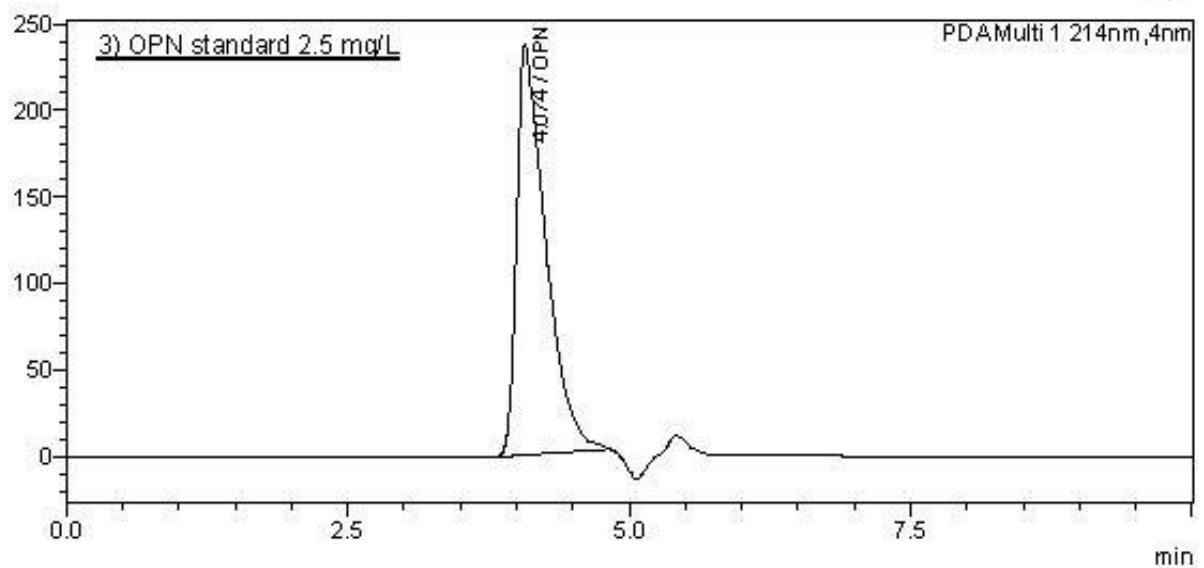
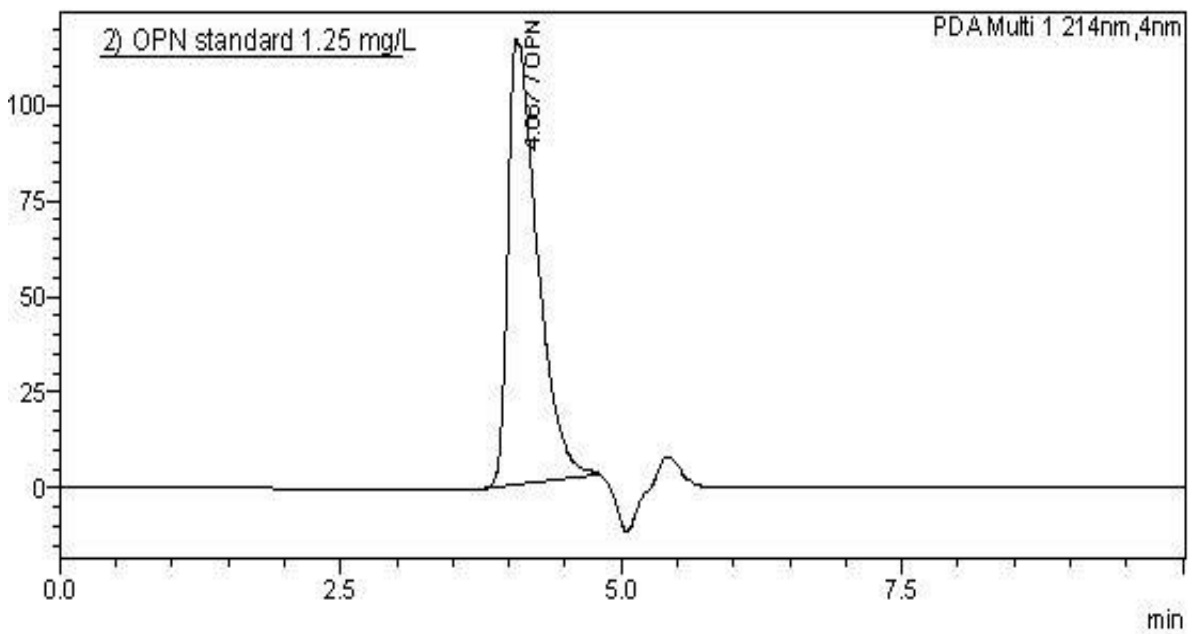
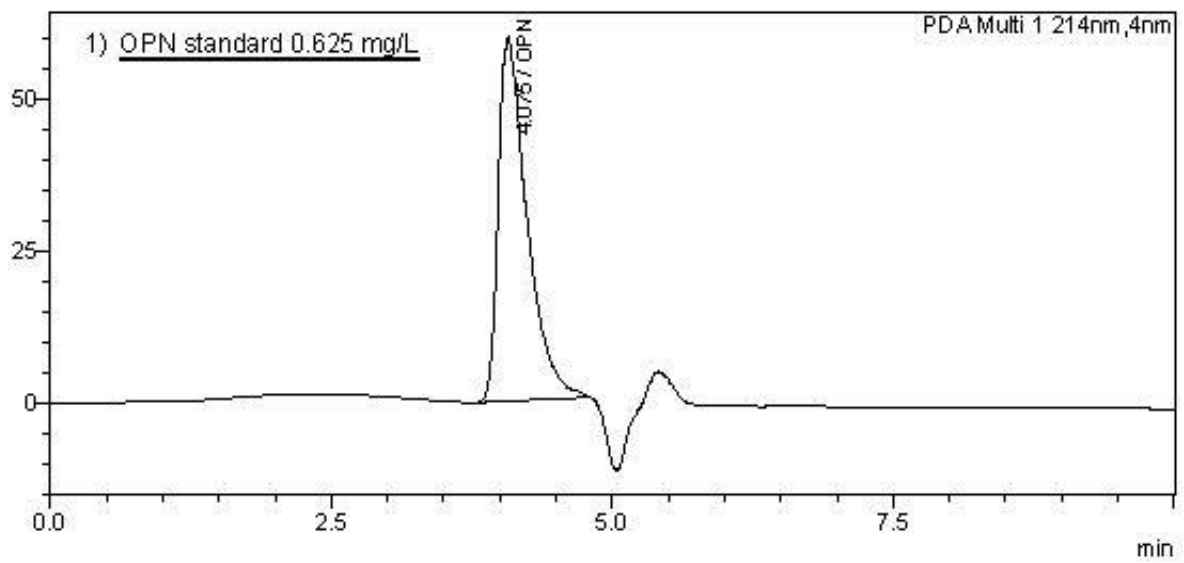


Supplementary data



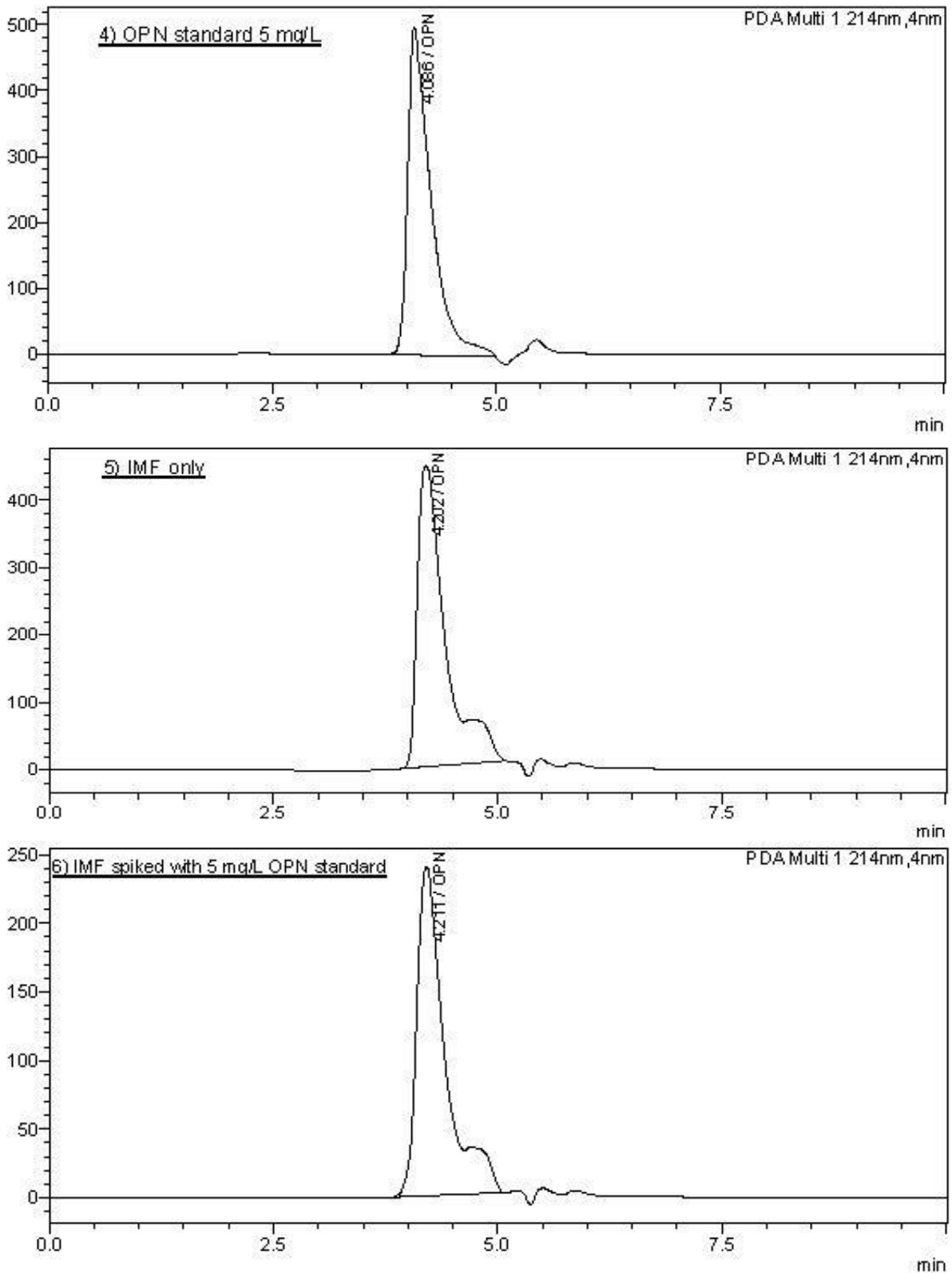


Figure S1. Chromatogram of OPN from RP-HPLC analysis: 1) OPN standard 0.625 mg/L, 2) OPN standard 1.25 mg/L, 3) OPN standard 2.5 mg/L, 4) OPN standard 5 mg/L, 5) IMF only and 6) IMF spiked with 5 mg/L OPN standard.

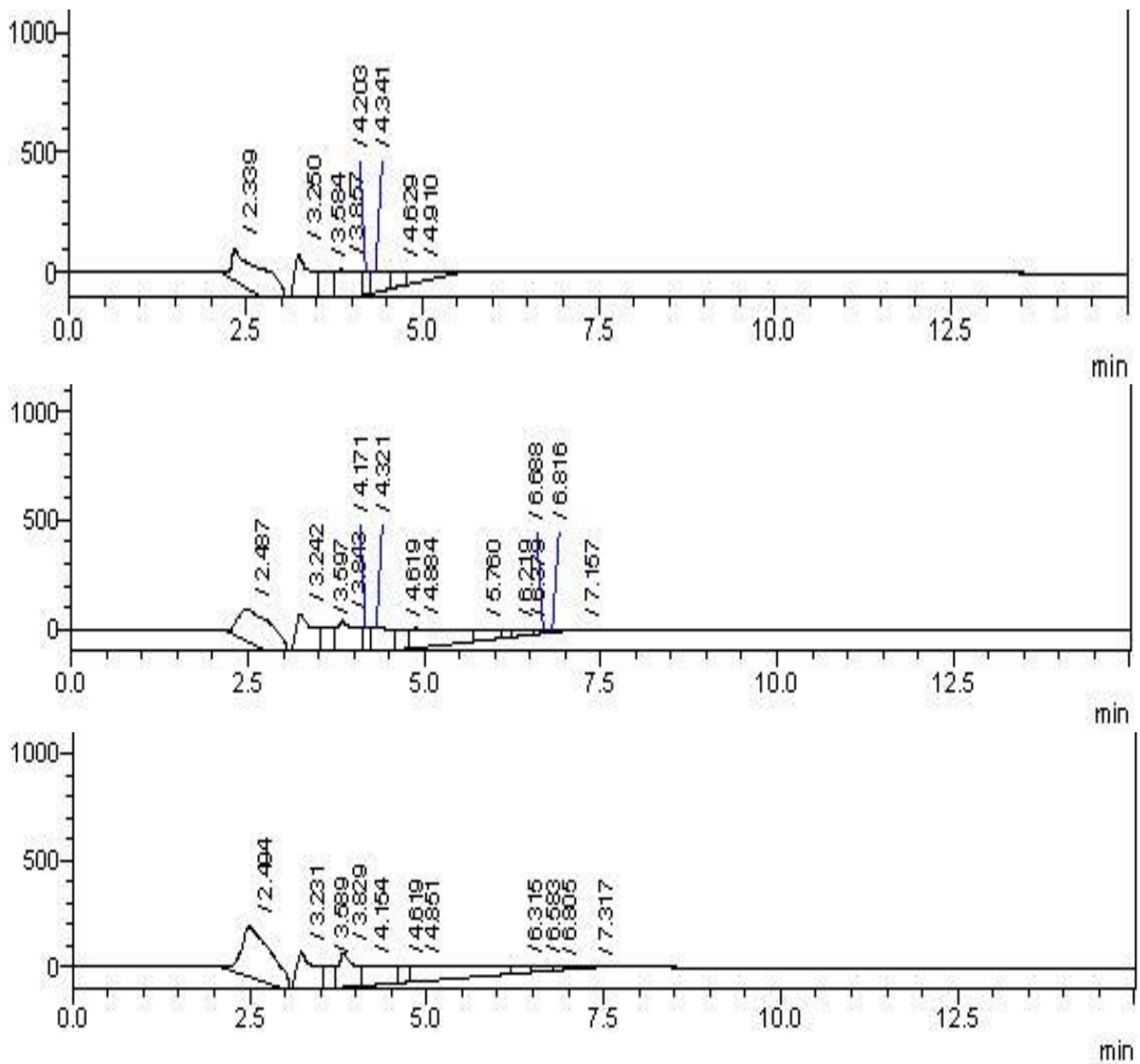


Figure S2. Chromatogram of OPN (5 mg/L) in triplicate obtained from RP-HPLC analysis maintaining column temperature at 20 °C. .

RP-HPLC method robustness

Table S1. Robustness of RP-HPLC method after changing column temperature and flow rate, one at a time. .

Injection of OPN standard (1 mg/L)	Retention time (min), flow rate as 0.3 ml/min and column temperature	Retention time (min), flow rate as 0.3 ml/min and column temperature	Retention time (min), flow rate as 0.15 ml/min and column temperature
	as 40 °C	as 30 °C	as 40 °C
1	4.059	4.057	4.076
2	4.060	4.053	4.063
3	4.056	4.061	4.064
4	4.050	4.061	4.067
5	4.071	4.066	4.071
6	4.052	4.043	4.061
7	4.049	4.051	4.065
8	4.058	4.049	4.061
9	4.063	4.057	4.060
10	4.057	4.047	4.075
Mean	4.058	4.055	4.066
SD	0.0065192	0.007169	0.0058319
P-value		0.340522	0.0051693