

Supplementary material

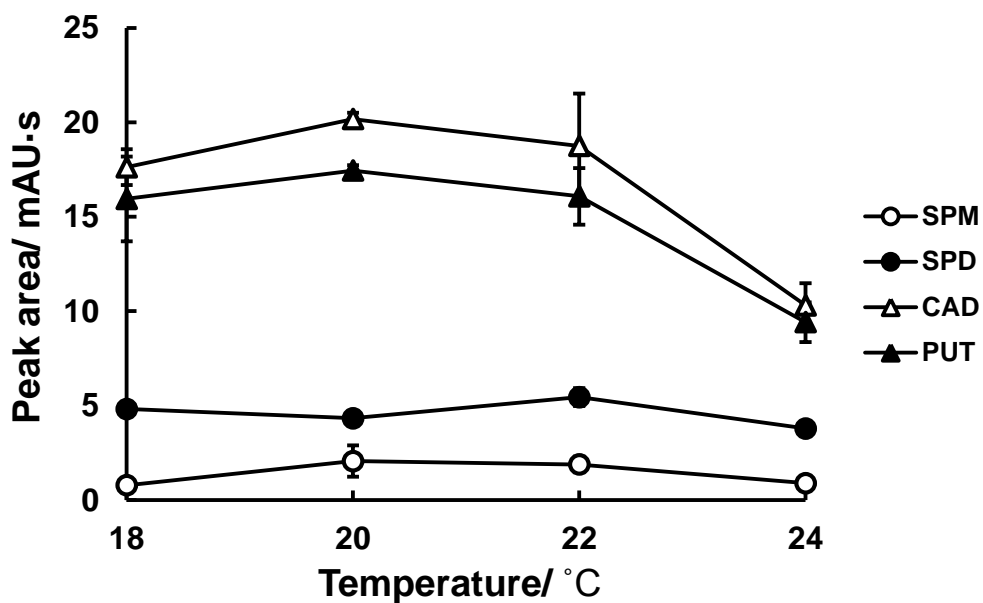


Fig. S1 Effect of temperature on the derivatization reaction.

Migration buffer, 10 mM phosphate buffer (pH 7.8); sample solution; 500 μ M CAD, PUT, SPD, SPM, and 5 mM SAS in 10 mM phosphate buffer (pH 7.8) containing 60% ethanol; capillary, total length = 64.5 cm, effective length = 56 cm, i.d. = 50 μ m; injection, 50 mbar for 5 s; applied voltage, 30 kV; detection wavelength, 240 nm; and, capillary temperature, 20 °C. The unit of mAU is the milliabsorbance unit.

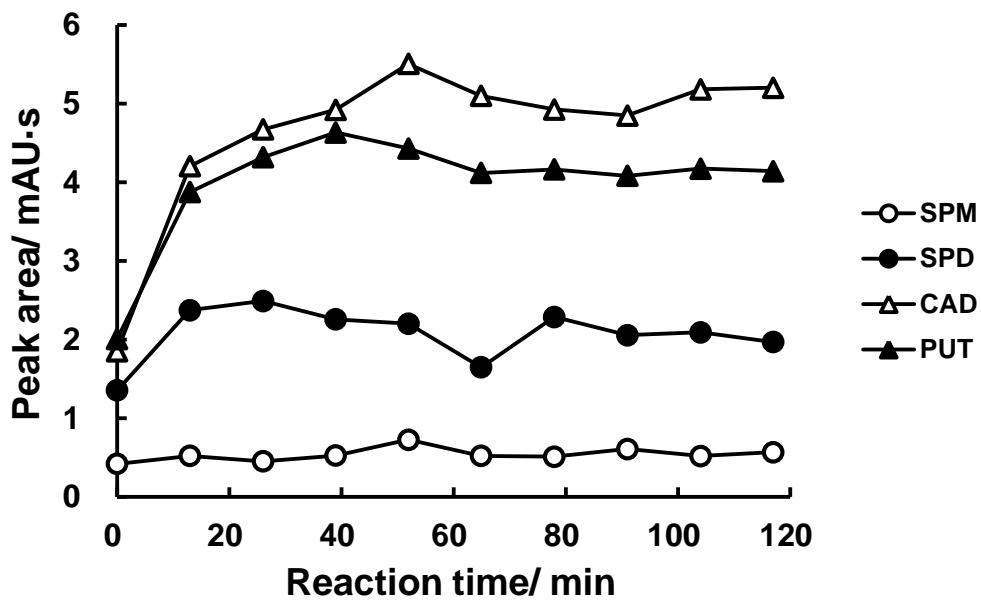


Fig. S2 Effect of reaction time on the derivatization reaction.

Sample solution; 500 μ M CAD, PUT, SPD, SPM, and 5 mM SAS in 10 mM phosphate buffer (pH 7.8) containing 60% ethanol. Other conditions are similar to Fig. S1.

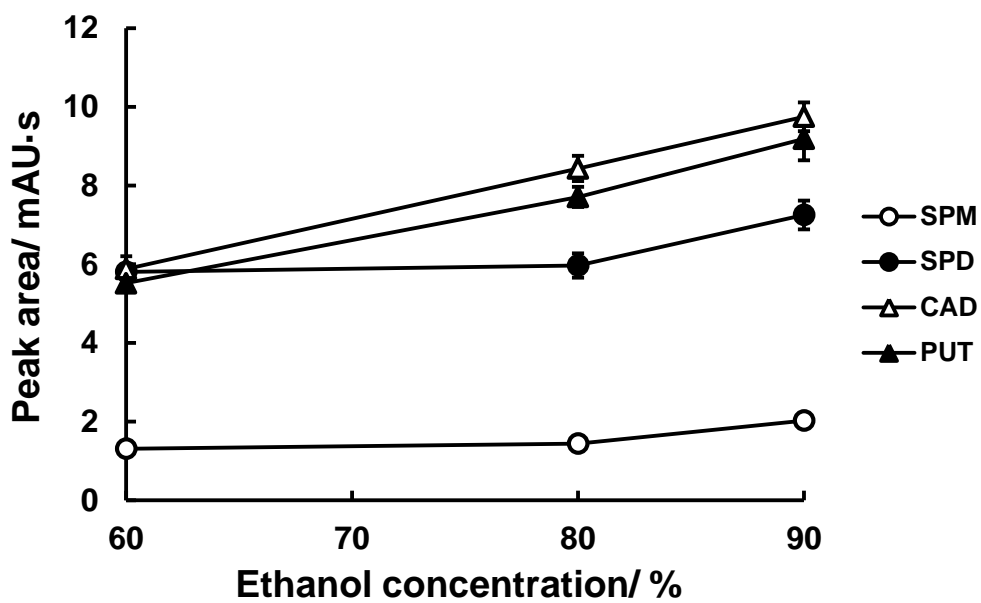


Fig. S3 Effect of ethanol concentration on the derivatization reaction.

Sample solution; 50 μ M CAD, PUT, SPD, SPM, and 5 mM SAS in 10 mM HEPES buffer (pH 7.8) containing ethanol. Other conditions are similar to Fig. S1.