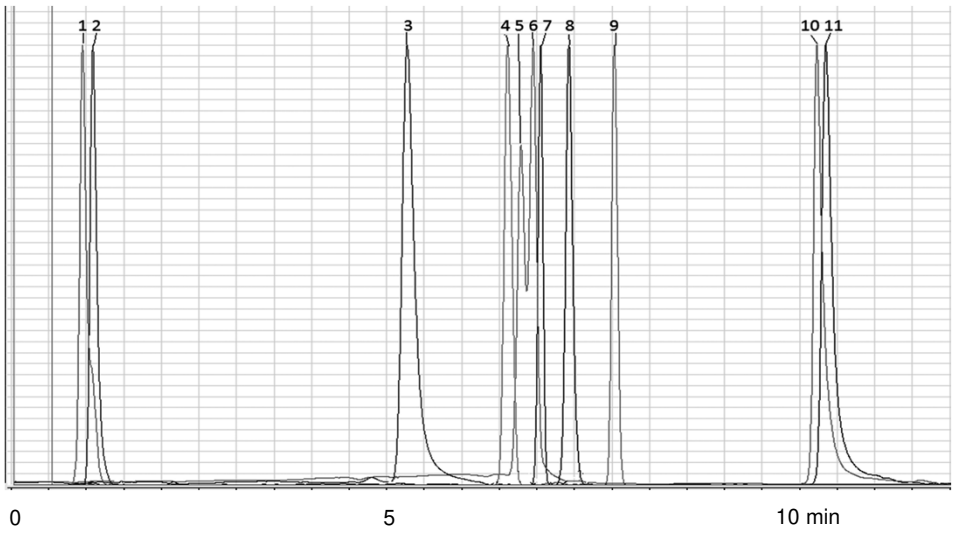
代謝物の分離(LC/MS)

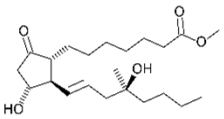
Metabolites (LC/MS)

iHILIC-Fusion 1.8 µm, 100 × 2.1 mm i.d.

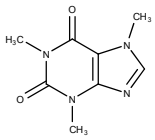
made by HILICON AB



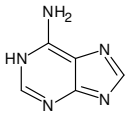
1. Misoprostol



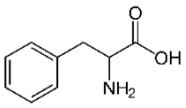
2. Caffeine



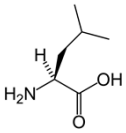
3. Adenine



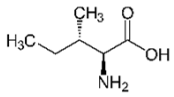
4. Phenylalanine



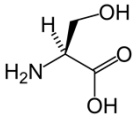
5. Leucine



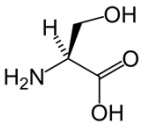
6. Isoleucine



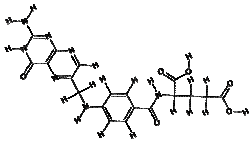
7. Serine



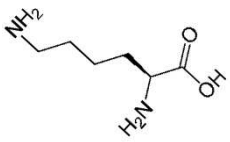
8. Tyrosine



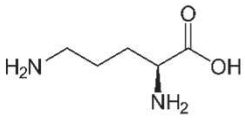
9. Folic acid



10. Lysine



11. Ornithine



LC–MS/MS system: Agilent 1290 Infinity UHPLC system with an Agilent 6530 QTOF mass spectrometer
Column: , iHILIC-Fusion 1.8-µm 100 Å, 100 × 2.1 mm i.d. at 30 ° C
Gradient elution: A) acetonitrile/methanol (98/2, v/v); B) 10 mM ammonium formate with 0.1% (v/v) formic acid (pH 3.15) in ultra-pure (Milli-Q) Water

Time (min)	0	2	8	13	15	17	23
%A	95	95	65	25	25	95	95

Flow rate: 0.3 mL/min
Injection volume: 2 µL
MS system setting:
Drying gas: 250 ° C at 8 L/min
Sheath gas: 350 ° C at 11 L/min; Nebulizer: 45 psig
Voltages: Capillary: 2000 V; Fragmentor: 150 V