Supplementary information of optimizing chromatographic conditions

1. Chromatographic column: Kromasil KR100-5 C\textsubscript{18} 250 mm×4.6 mm, 5 μm
   Mobile phases: A (0.1% phosphoric acid): B (Acetonitrile)
   Flow rate: 1.0mL·min\textsuperscript{−1}
   Monitoring wavelength: 280nm
   Column temperature: 30°C

2. Chromatographic column: Kromasil KR100-5 C\textsubscript{18} 250 mm×4.6 mm, 5 μm
   Mobile phases: A (0.2% phosphoric acid): B (Acetonitrile)
   Flow rate: 1.0mL·min\textsuperscript{−1}
   Monitoring wavelength: 280nm
   Column temperature: 30°C

3. Chromatographic column: Kromasil KR100-5 C\textsubscript{18} 250 mm×4.6 mm, 5 μm
   Mobile phases: A (0.2% phosphoric acid 2mM ammonium acetate): B (Acetonitrile)
   Flow rate: 1.0mL·min\textsuperscript{−1}
   Monitoring wavelength: 280nm
   Column temperature: 30°C
4. Chromatographic column: Kromasil KR100-5 C<sub>18</sub> 250 mm×4.6 mm, 5 μm
   Mobile phases: A (0.1% acetic acid 2mM ammonium acetate): B (Acetonitrile)
   Flow rate: 1.0mL·min<sup>−1</sup>
   Monitoring wavelength: 280nm
   Column temperature: 30°C

5. Chromatographic column: Kromasil KR100-5 C<sub>18</sub> 250 mm×4.6 mm, 5 μm
   Mobile phases: A (0.1% formic acid 2mM ammonium acetate): B (Acetonitrile)
   Flow rate: 1.0mL·min<sup>−1</sup>
   Monitoring wavelength: 280nm
   Column temperature: 30°C

6. Chromatographic column: Dikma Diamonsil C<sub>18</sub> 250 mm×4.6 mm, 5 μm
   Mobile phases: A (0.1% formic acid 2mM ammonium acetate): B (Acetonitrile)
   Flow rate: 1.0mL·min<sup>−1</sup>
   Monitoring wavelength: 280nm
   Column temperature: 30°C
7. Chromatographic column: Waters XBridge C$_{18}$ 250 mm×4.6 mm, 5 μm  
Mobile phases: A (0.1% formic acid 2mM ammonium acetate): B (Acetonitrile)  
Flow rate: 1.0mL·min$^{-1}$  
Monitoring wavelength: 280nm  
Column temperature: 30°C

8. Chromatographic column: Agilent ZORBAX SB-C$_{18}$ 250 mm×4.6 mm, 5 μm  
Mobile phases: A (0.3% acetic acid 4mM ammonium acetate): B (Acetonitrile) adjusted by triethylamine with different pH values  
Flow rate: 1.0mL·min$^{-1}$  
Monitoring wavelength: 280nm  
Column temperature: 30°C

9. Chromatographic column: Agilent ZORBAX SB-C$_{18}$ 250 mm×4.6 mm, 5 μm  
Mobile phases: A (0.3% acetic acid 4mM ammonium acetate): B (Acetonitrile)  
Flow rate: 0.8mL·min$^{-1}$  
Monitoring wavelength: 280nm  
Column temperature: 35°C
10. Chromatographic column: Agilent ZORBAX SB-C<sub>18</sub> 250 mm×4.6 mm, 5 μm
   Mobile phases: A (0.1% acetic acid 2mM ammonium acetate): B (Acetonitrile)
   Flow rate: 1.2 mL·min<sup>−1</sup>
   Monitoring wavelength: 280 nm
   Column temperature: 30°C

11. Chromatographic column: Agilent ZORBAX SB-C<sub>18</sub> 250 mm×4.6 mm, 5 μm
    Mobile phases: A (0.3% acetic acid 4mM ammonium acetate): B (Acetonitrile)
    Flow rate: 1.0 mL·min<sup>−1</sup>
    Monitoring wavelength: 280 nm
    Column temperature: 30°C

12. The monitoring wavelength was set at 280 nm, where most of the compounds could be detected and had adequate absorption.