

Supplementary information of optimizing chromatographic conditions

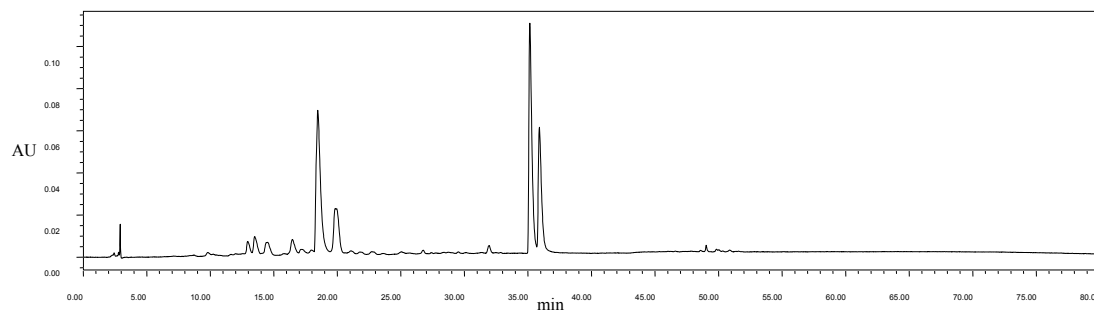
1. Chromatographic column: Kromasil KR100-5 C₁₈ 250 mm×4.6 mm, 5 μm

Mobile phases: A (0.1% phosphoric acid): B (Acetonitrile)

Flow rate: 1.0mL·min⁻¹

Monitoring wavelength: 280nm

Column temperature: 30°C



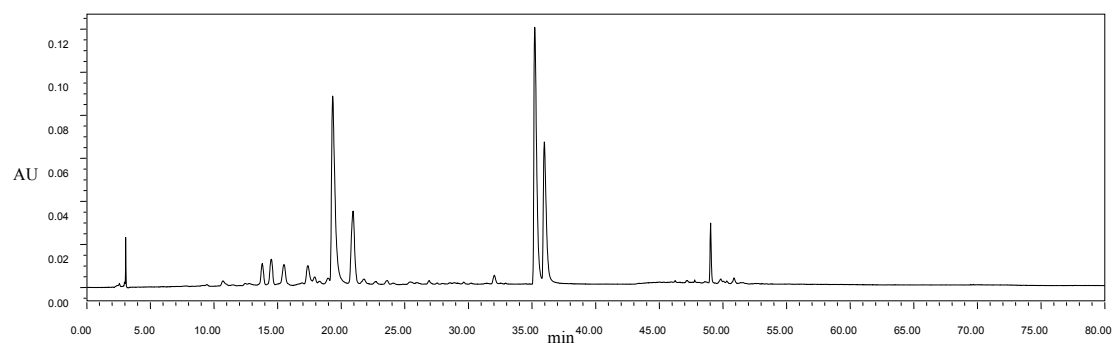
2. Chromatographic column: Kromasil KR100-5 C₁₈ 250 mm×4.6 mm, 5 μm

Mobile phases: A (0.2% phosphoric acid): B (Acetonitrile)

Flow rate: 1.0mL·min⁻¹

Monitoring wavelength: 280nm

Column temperature: 30°C



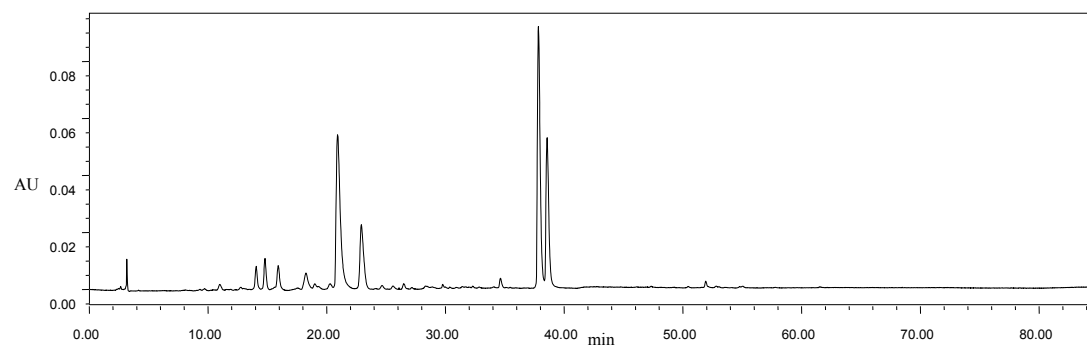
3. Chromatographic column: Kromasil KR100-5 C₁₈ 250 mm×4.6 mm, 5 μm

Mobile phases: A (0.2% phosphoric acid 2mM ammonium acetate): B (Acetonitrile)

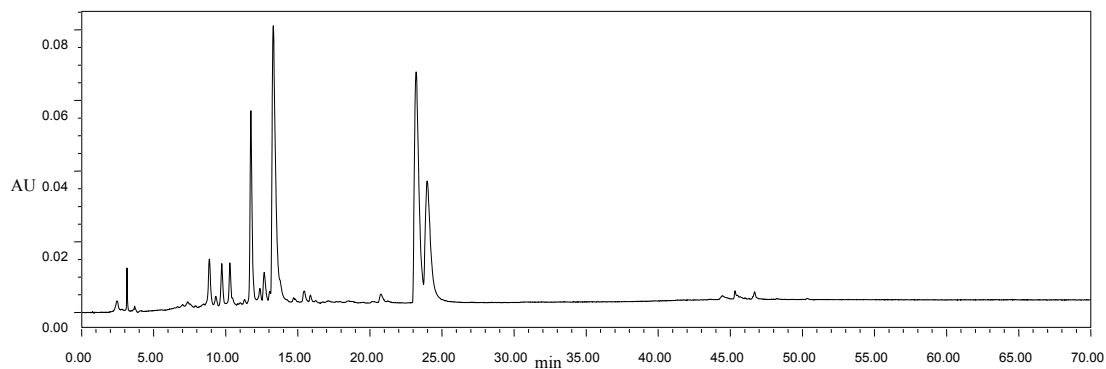
Flow rate: 1.0mL·min⁻¹

Monitoring wavelength: 280nm

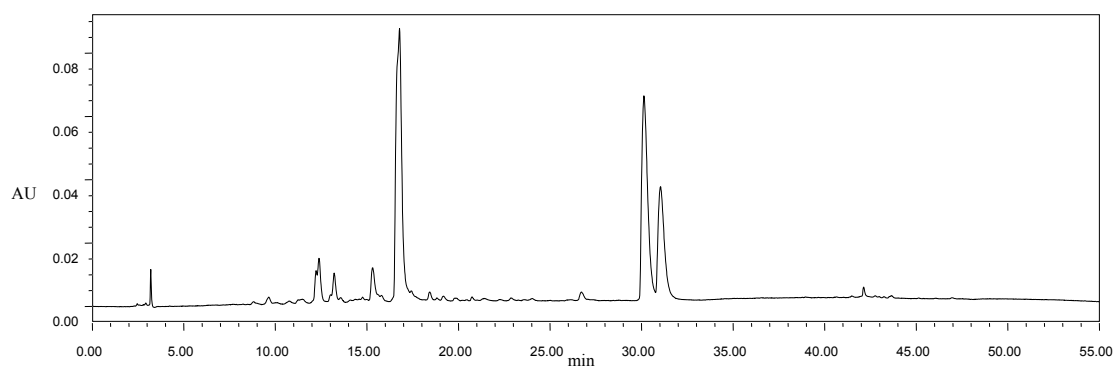
Column temperature: 30°C



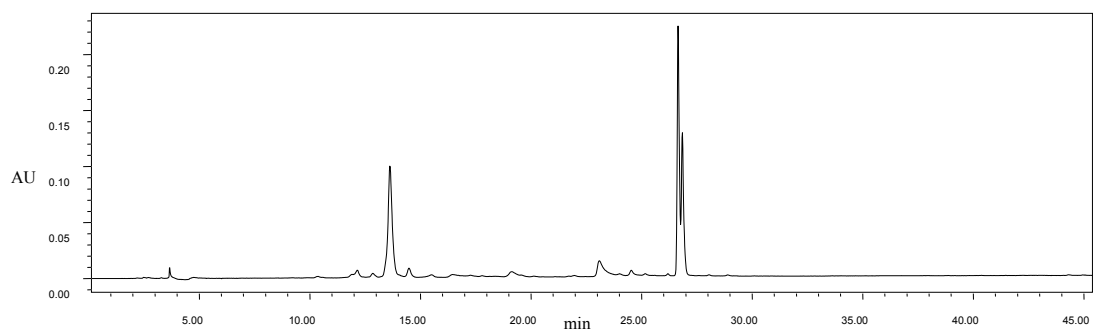
4. Chromatographic column: Kromasil KR100-5 C₁₈ 250 mm×4.6 mm, 5 μm
Mobile phases: A (0.1% acetic acid 2mM ammonium acetate): B (Acetonitrile)
Flow rate: 1.0mL·min⁻¹
Monitoring wavelength: 280nm
Column temperature: 30°C



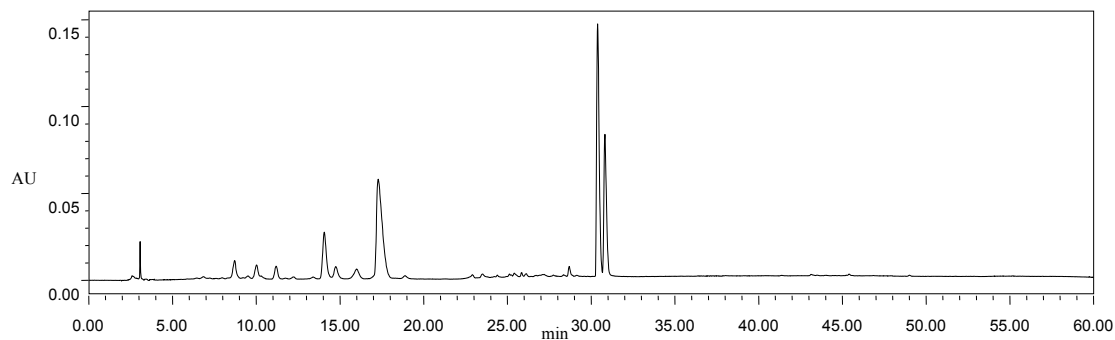
5. Chromatographic column: Kromasil KR100-5 C₁₈ 250 mm×4.6 mm, 5 μm
Mobile phases: A (0.1% formic acid 2mM ammonium acetate): B (Acetonitrile)
Flow rate: 1.0mL·min⁻¹
Monitoring wavelength: 280nm
Column temperature: 30°C



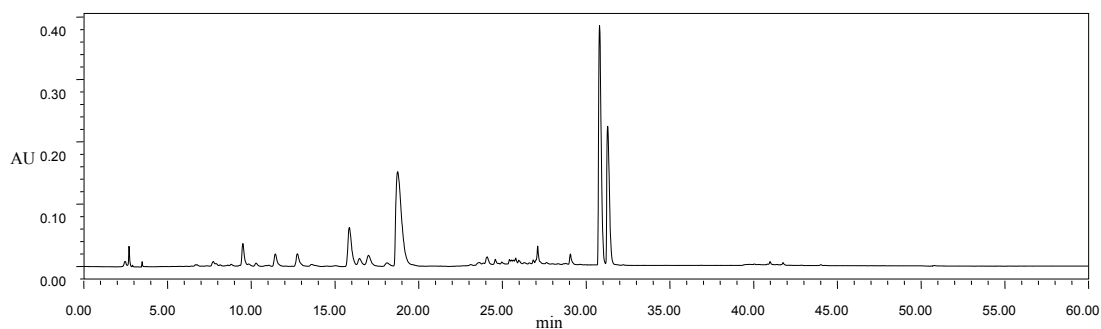
6. Chromatographic column: Dikma Diamonsil C₁₈ 250 mm×4.6 mm, 5 μm
Mobile phases: A (0.1% formic acid 2mM ammonium acetate): B (Acetonitrile)
Flow rate: 1.0mL·min⁻¹
Monitoring wavelength: 280nm
Column temperature: 30°C



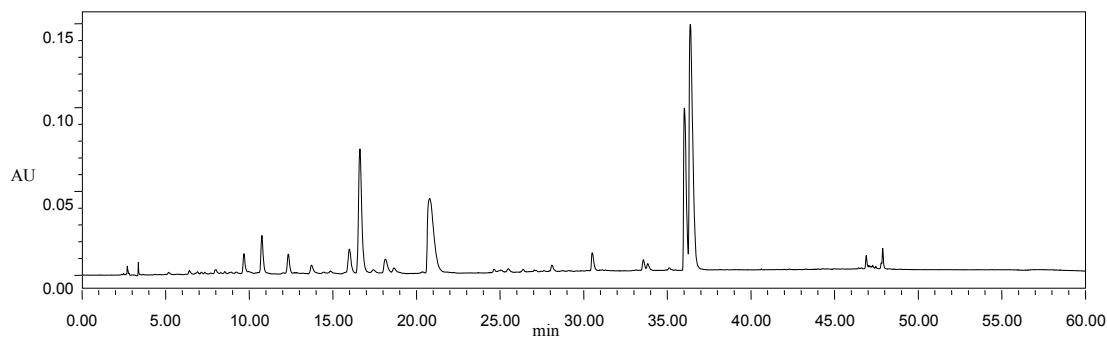
7. Chromatographic column: Waters XBridge C₁₈ 250 mm×4.6 mm, 5 μm
Mobile phases: A (0.1% formic acid 2mM ammonium acetate): B (Acetonitrile)
Flow rate: 1.0mL·min⁻¹
Monitoring wavelength: 280nm
Column temperature: 30°C



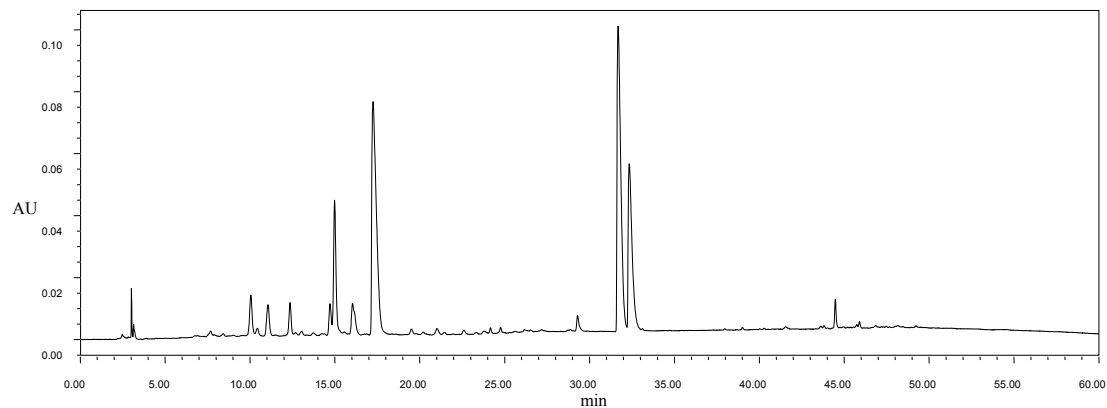
8. Chromatographic column: Agilent ZORBAX SB-C₁₈ 250 mm×4.6 mm, 5 μm
Mobile phases: A (0.3% acetic acid 4mM ammonium acetate): B (Acetonitrile) adjusted by triethylamine with different pH values
Flow rate: 1.0mL·min⁻¹
Monitoring wavelength: 280nm
Column temperature: 30°C



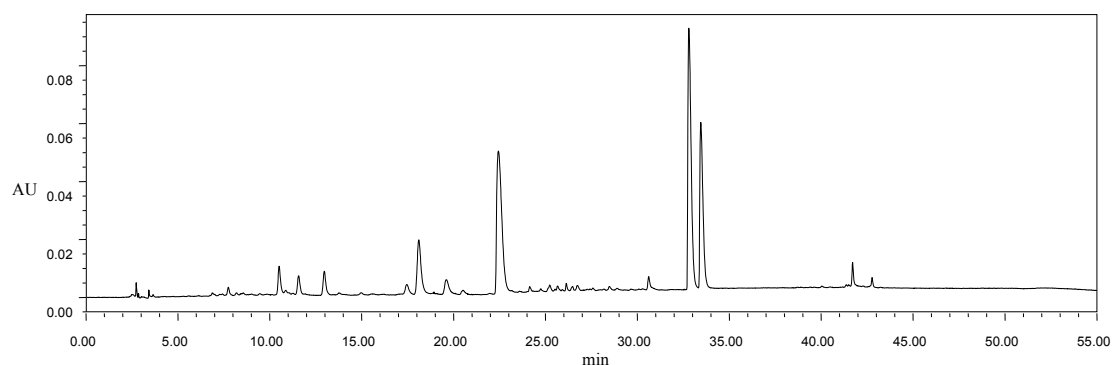
9. Chromatographic column: Agilent ZORBAX SB-C₁₈ 250 mm×4.6 mm, 5 μm
Mobile phases: A (0.3% acetic acid 4mM ammonium acetate): B (Acetonitrile)
Flow rate: 0.8mL·min⁻¹
Monitoring wavelength: 280nm
Column temperature: 35°C



10. Chromatographic column: Agilent ZORBAX SB-C₁₈ 250 mm×4.6 mm, 5 μm
Mobile phases: A (0.1% acetic acid 2mM ammonium acetate): B (Acetonitrile)
Flow rate: 1.2mL·min⁻¹
Monitoring wavelength: 280nm
Column temperature: 30°C



11. Chromatographic column: Agilent ZORBAX SB-C₁₈ 250 mm×4.6 mm, 5 μm
Mobile phases: A (0.3% acetic acid 4mM ammonium acetate): B (Acetonitrile)
Flow rate: 1.0mL·min⁻¹
Monitoring wavelength: 280nm
Column temperature: 30°C



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

