

Table S1 Validation parameters of HPLC-UV method

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MAE procedure	
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MAE solvent	95% ethanol
MAE power	500 W
MAE temperature	120 °C
MAE time	5 min
IL-based DLLME procedure	
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Type of extraction solvent	[C ₆ MIM][PF ₆]
Volume of extraction solvent	50 μL
Type of dispersion solvent	methanol
Volume of dispersion solvent	50 μL
Extraction time	2 min under vortex
Centrifugation speed	3500 rpm
Centrifugation time	5 min
Salt concentration	0
Sample pH	5.0
HPLC-UV procedure	
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Chromatographic column	C ₁₈ column (150 mm × 4.6 mm, 5 μm)
Column temperature	room temperature
Mobile phase	methanol (solvent A) and THF: 1% HAc buffer = 1: 40, pH 3.0 (solvent B) using a gradient elution of 40% A at 0-12 min, 40-70% A at 12-18 min, 70% A at 18-25 min, and the re-equilibration time of gradient elution was 5 min.
Detection wavelength	325 nm
Flow rate	1.0 mL/min
Injection volume	20 μL
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