

Supplementary Materials for

The use of ionic liquid as mobile phase modifier in analytical supercritical
fluid chromatography for the separation of flavonoids

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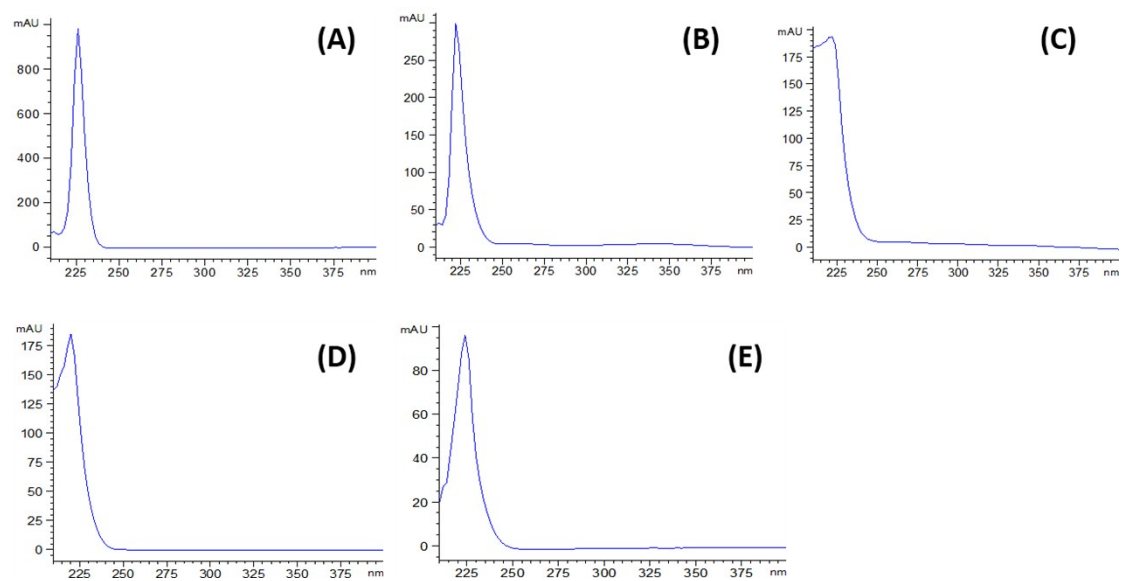


Fig. S1 The UV spectrums of **(A)** [Bmim][BF₄]; **(B)** [Bmim][NTF₂];
(C) [Bmim][PF₆]; **(D)** [Bmim][OTf]; **(E)** [Bmim][NO₃].

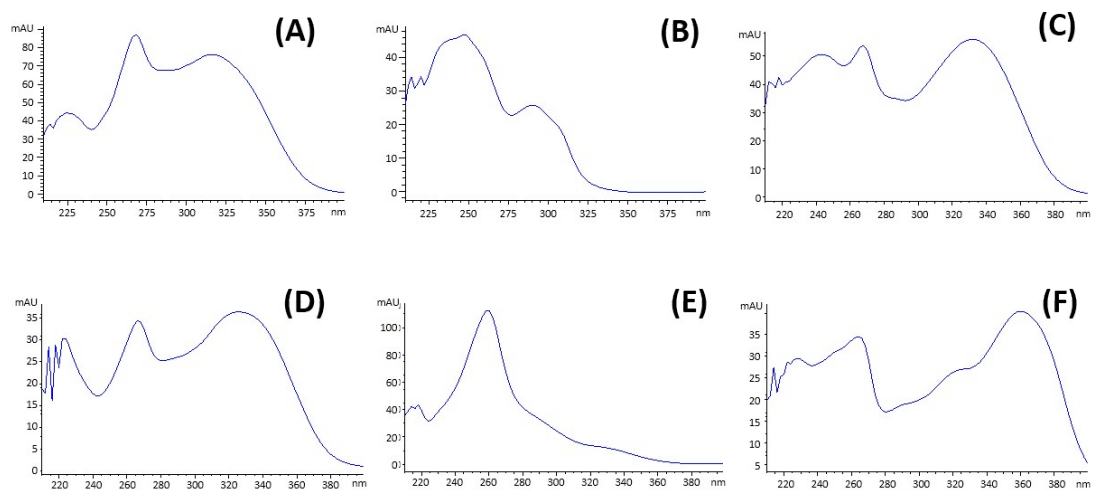


Fig. S2 The UV spectrums of **(A)** acacetin; **(B)** calycosin; **(C)** diosmetin;
(D) apigenin; **(E)** genistein; **(F)** luteolin.

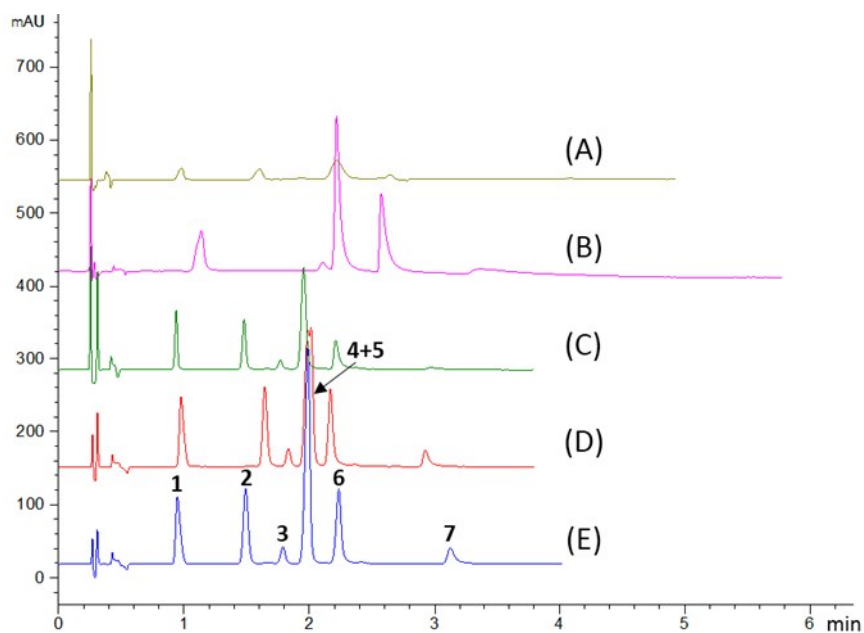


Fig. S3 SFC Chromatograms of the seven flavones obtained using various ILs-additives. **(A)** 8/8/15 min 10 mM/L [bmim][NO₃] in MeOH (%) at 0/1/5 min, **(B)** 8/8/40 min 10 mM/L [bmim][PF₆] in MeOH (%) at 0/1/7 min, **(C)** 8/8/13.5 min 10 mM/L [bmim][OTF] in MeOH (%) at 0/1/4 min, **(D)** 8/8/13.5 min 10 mM/L [bmim][NTF₂] in MeOH (%) at 0/1/4 min, **(E)** 8/8/13.5 min 10 mM/L [bmim][BF₄] in MeOH (%) at 0/1/4 min.