

Effect of a Series of Mobile Phase Additives on the HPLC Resolution of Four Active Compounds from Herba

이성남, 전명래, 노경호*
인하대학교 화학공학과
(rowkho@inha.ac.kr*)

The retention behaviors of four active compounds from Herba Artemisiae Scopariae using a series of mobile phase additives such as ionic liquids, acetic acid, triethylamine, inorganic salts, surfactants and so on. The effect of the pH and the concentrations of additives (from 0.01 mol/L to 0.03 mol/L) on the resolutions of these compounds were determined in methanol/water (40:60, v/v) as the mobile phase on a C18 column. The optimum separation condition was established and it was applied to analysis the extract from Herba Artemisiae Scopariae.