**Supplementary Information** **Open Access**

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# Validated thin-layer chromatographic method for alternative and simultaneous determination of two anti-gout agents in their fixed dose combinations

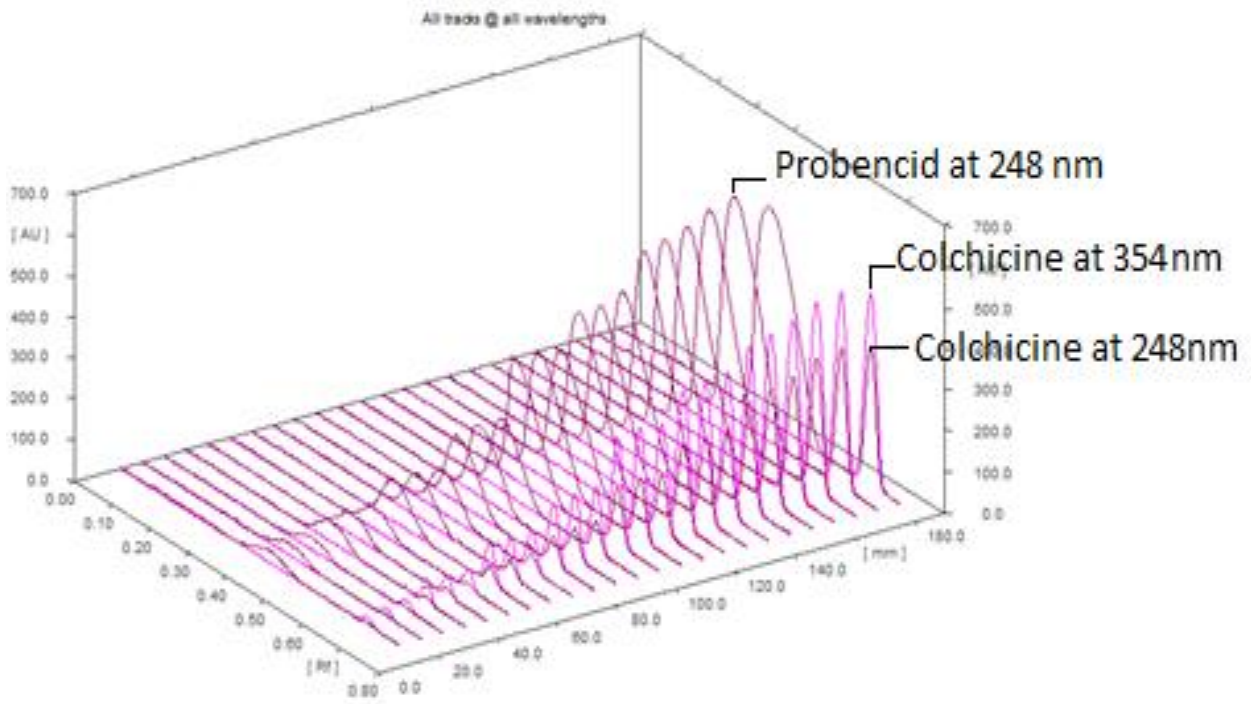


**Figure 1S:** Three-dimensional chromatograms (All tracks at all wavelengths) for calibrations of colchicine and probencid mixture ranging from 16 to 400 ng/band and from 120 to 6000 ng/band for colchicine and probencid, respectively, at 248 nm, and ranging from 8 to 400 ng/band for colchicine at 354 nm.

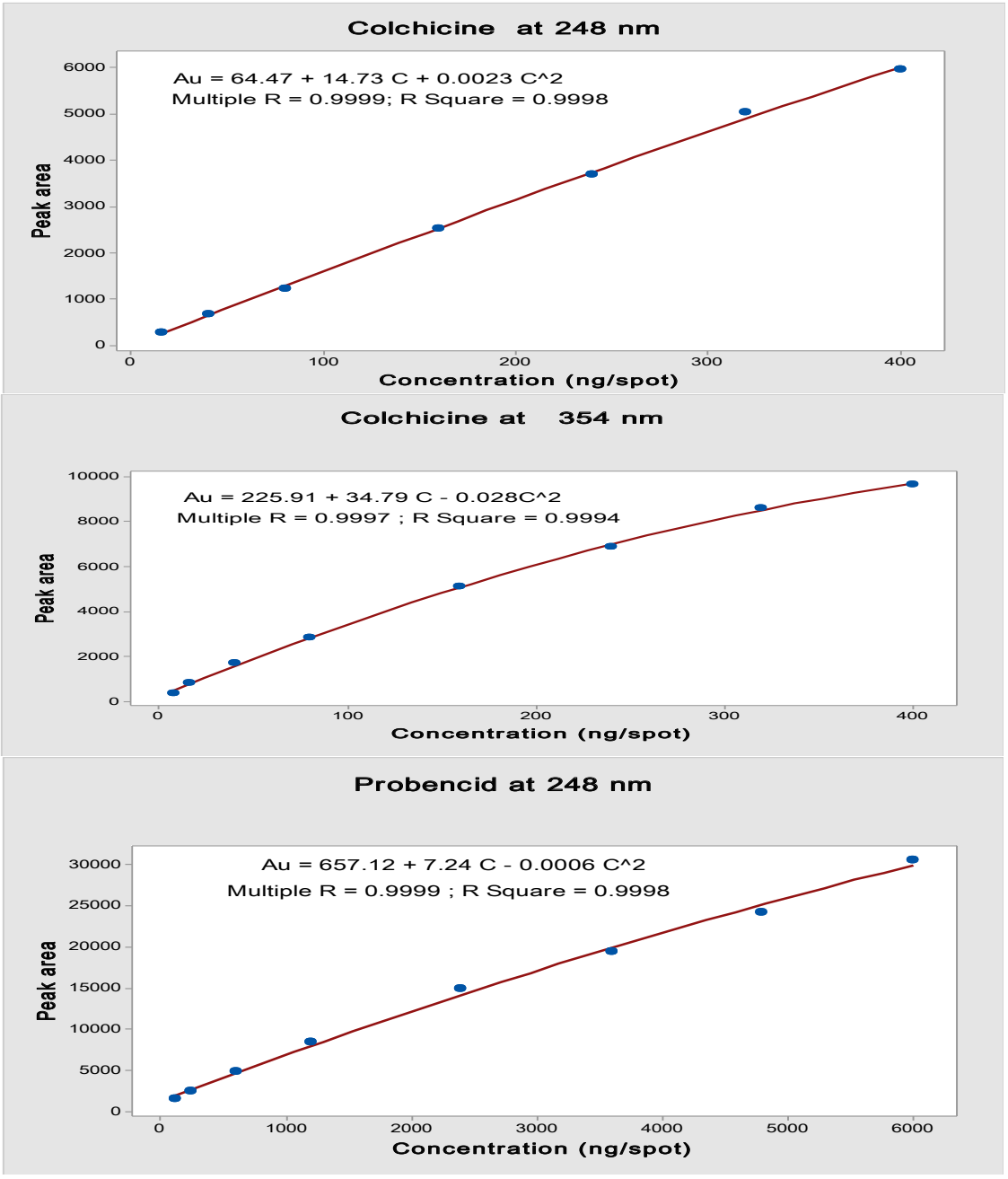


**Figure 2S:** Calibration curves for the determination of colchicine and probencid using the second-order polynomial fit.

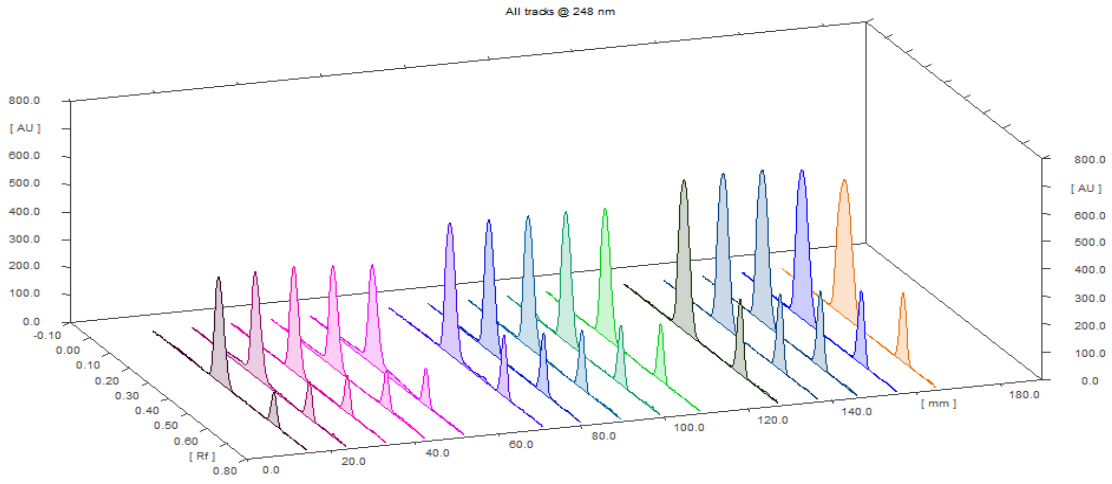


**Figure 3S:** Three-dimensional TLC-densitogram assesses the precision of colchicine and probencid binary mixture at three concentration levels 80, 160 and 240ng/band for colchicine and 1200, 2400 and 3600 ng/band for probencid at 248 nm.

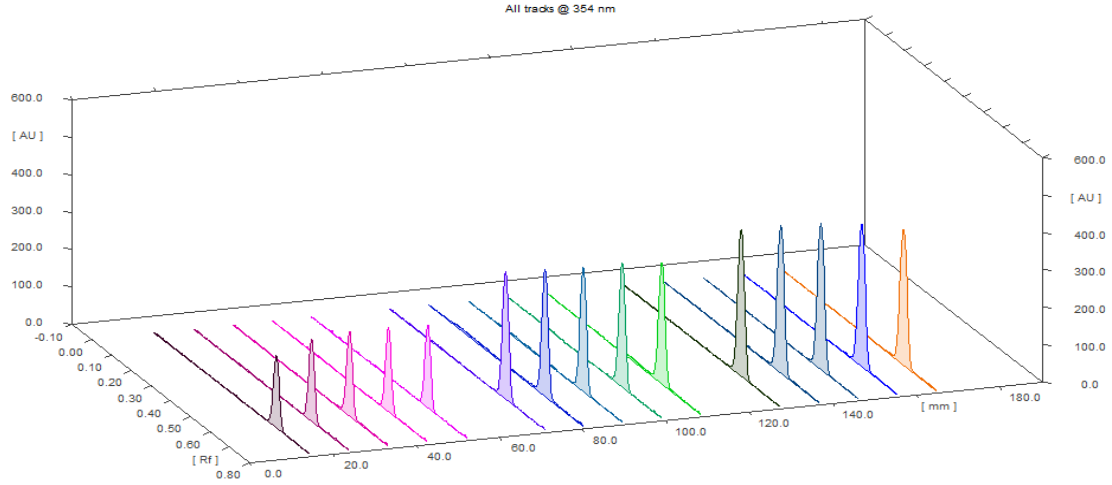


**Figure 4S:** Three-dimensional TLC-densitogram assesses the precision of colchicine and probencid binary mixture at three concentration levels 80, 160 and 240 ng/band for colchicine and 1200, 2400 and 3600 ng/band for probencid, at 354 nm, where tracks of probencid not appear at this wavelength.

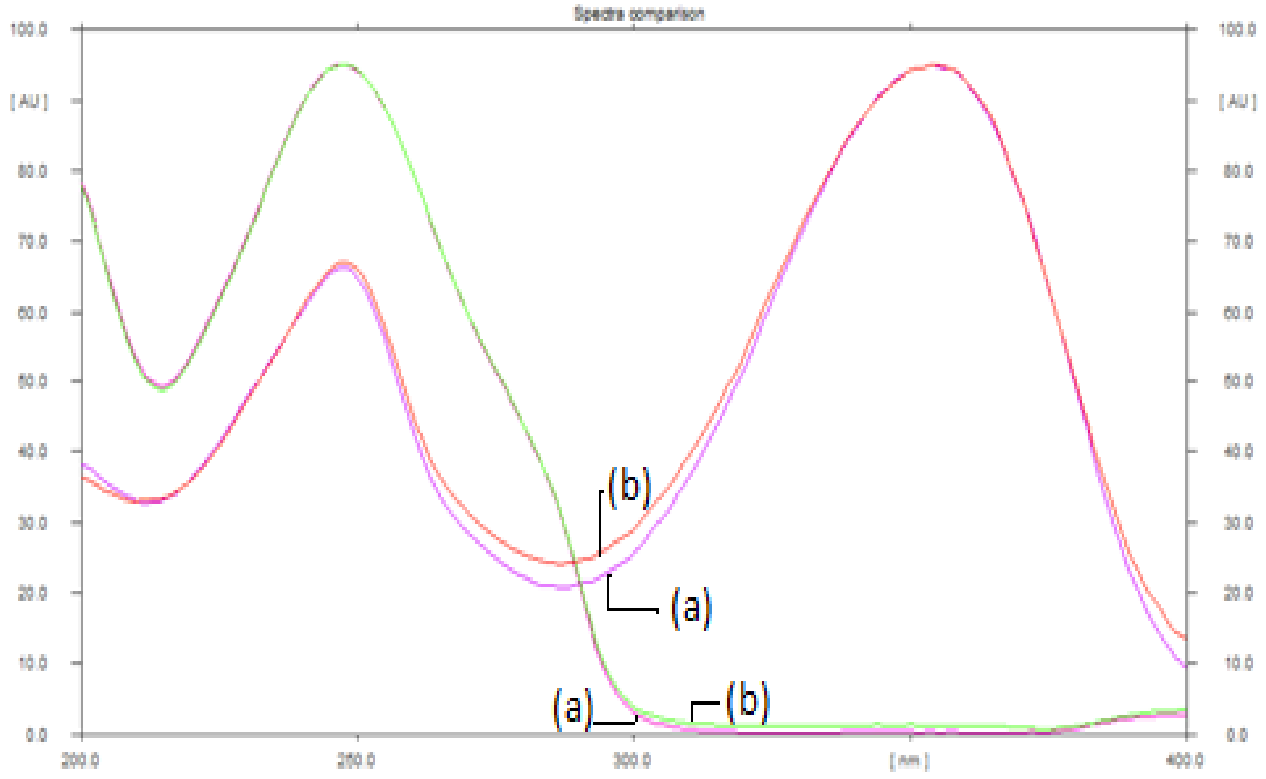


**Figure 5S:** Overlaid UV absorption spectra of colchicine (40 ng/band) and probenecid (4000 ng/band), where; (a) standard solutions and (b) dosage form extract (Gouty less® tablets).