

Supplementary material for Blood-brain distribution study:

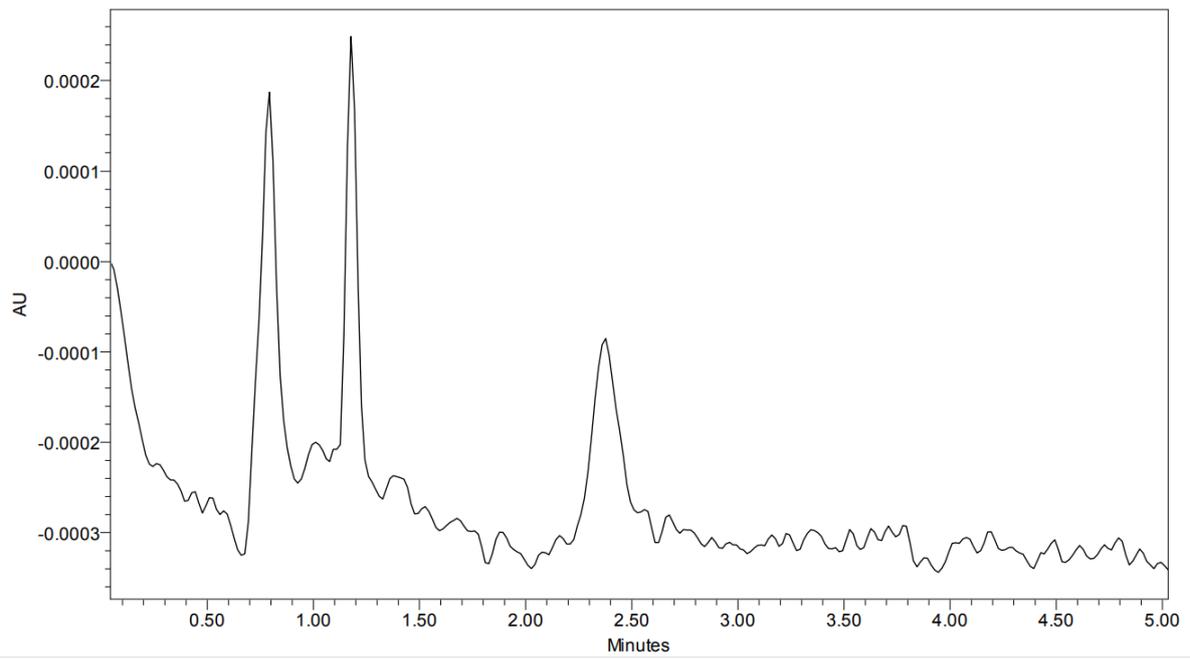


Figure S1: HPLC Chromatogram of plasma blank

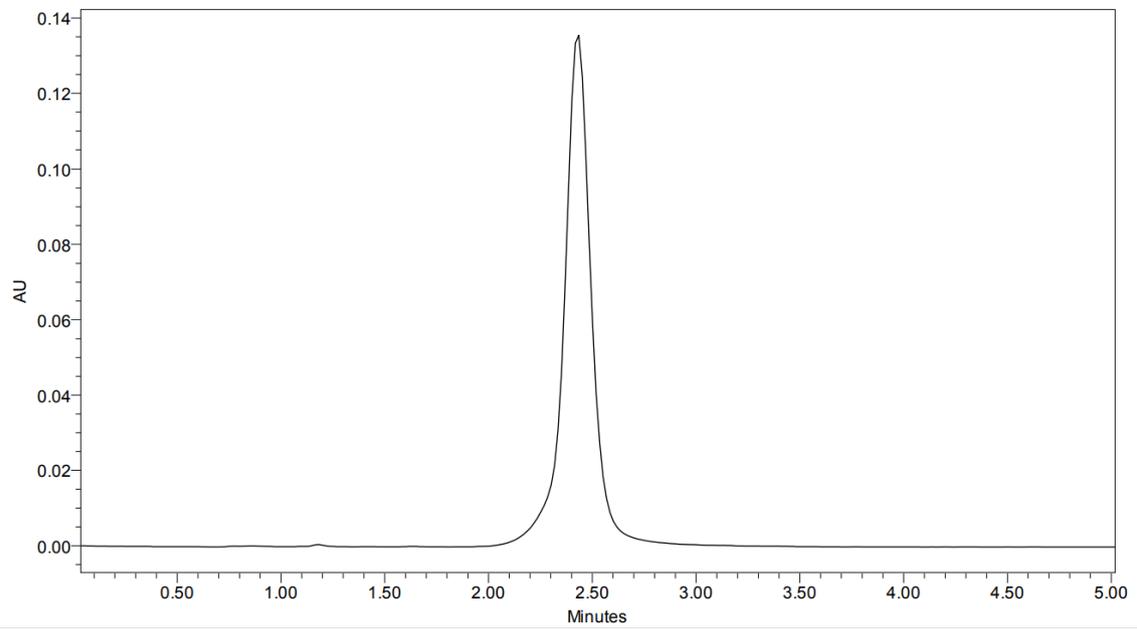


Figure S2: HPLC Chromatogram of Standard piperine in plasma

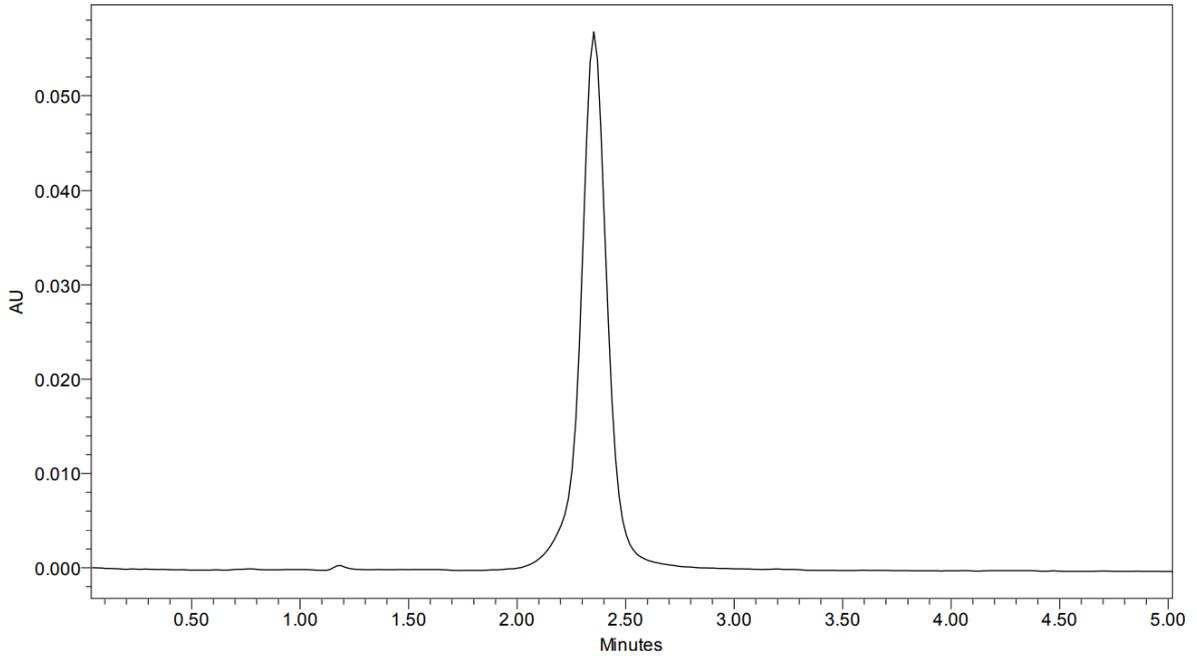


Figure S3: HPLC Chromatogram of PIP-SPL formulation in plasma

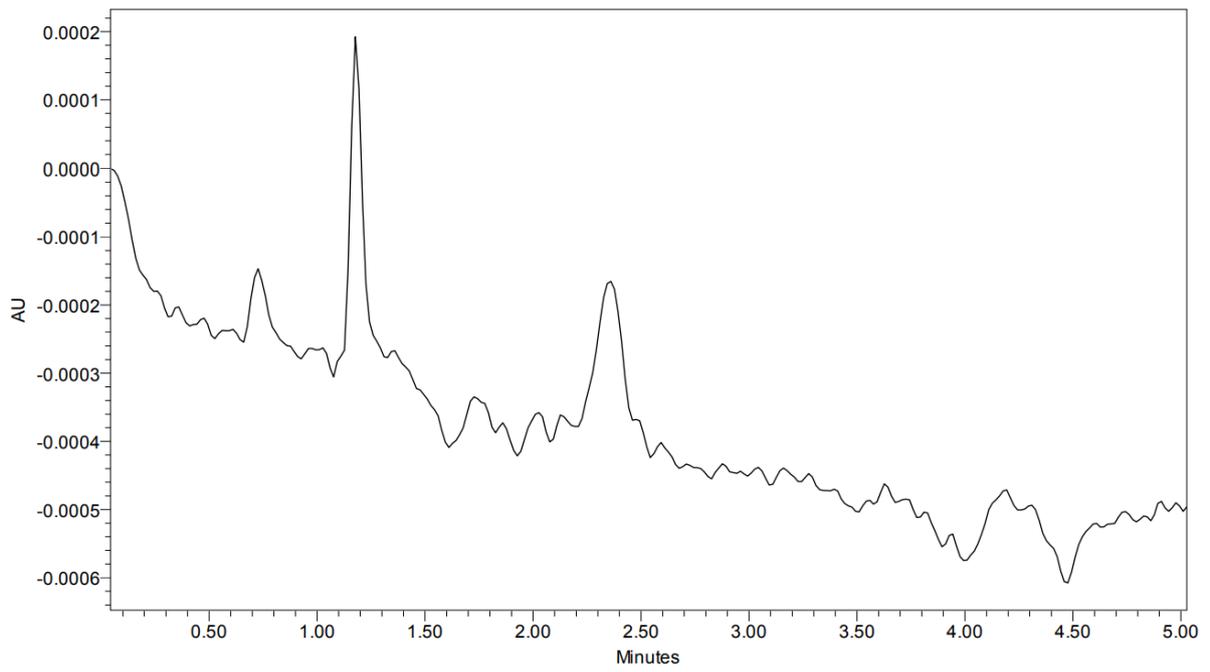


Figure S4: HPLC Chromatogram of Brain blank

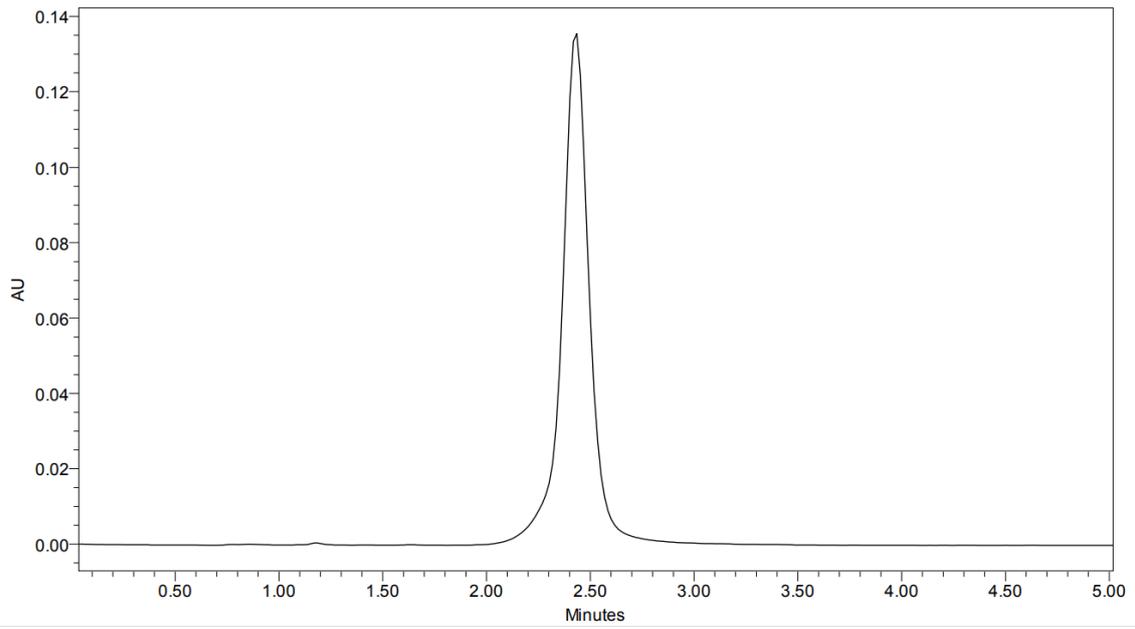


Figure S5: HPLC Chromatogram of Standard piperine in brain

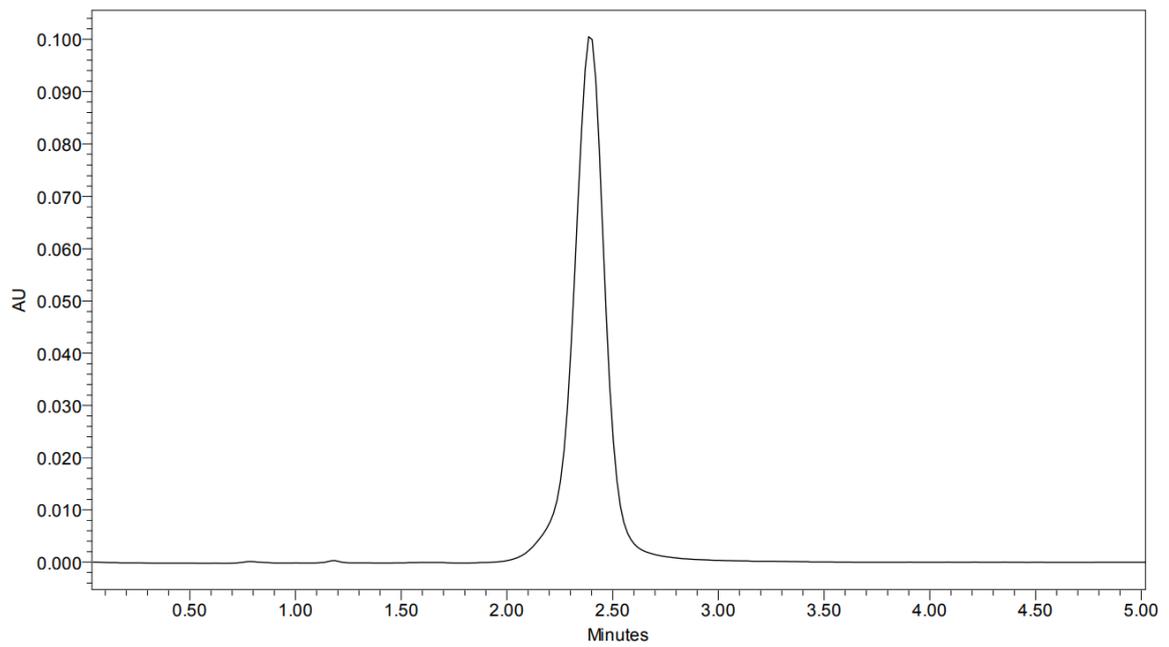


Figure S6: HPLC Chromatogram of PIP-SPL formulation in brain

HPLC graph for Encapsulation efficiency:

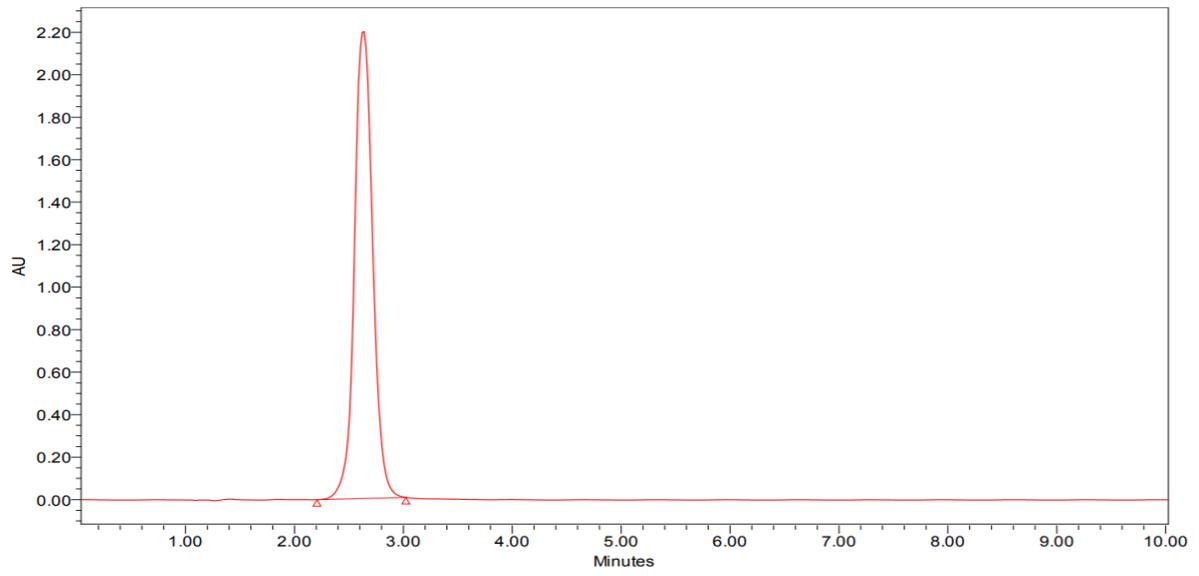


Figure S7: HPLC Chromatogram of standard Piperine

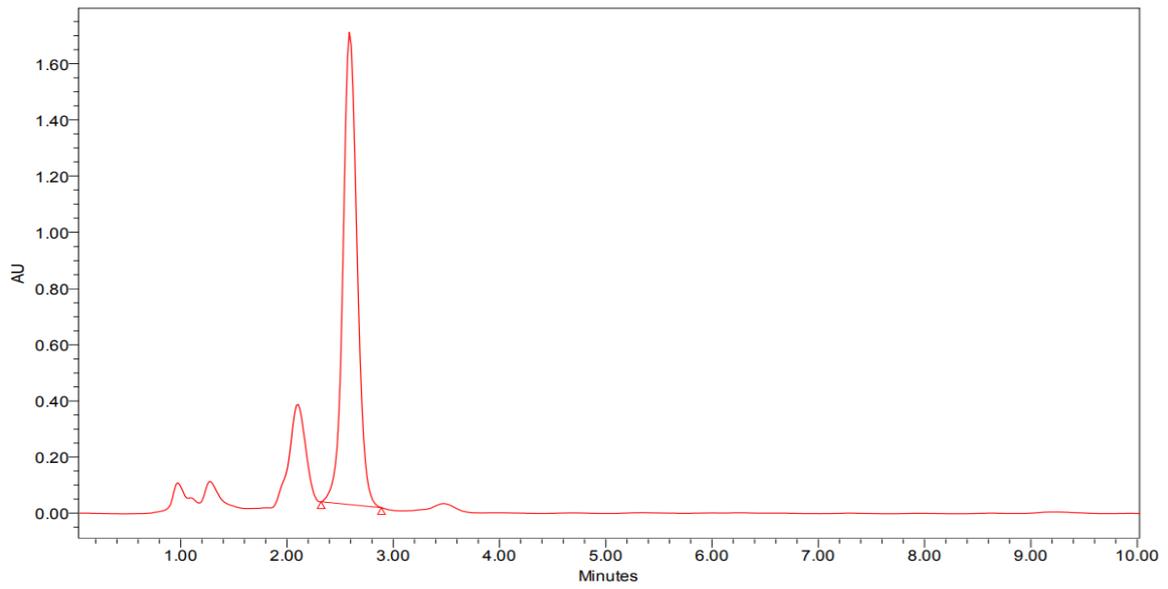


Figure S8: HPLC Chromatogram of PIP-SPLopt formulation