Supporting Information

Single Oral Dose Pharmacokinetics of Decursin, Decursinol Angelate, and Decursinol in Rats
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Fig. 1S Plasma DOH concentration-time curves in rats after a single oral dose of (a) decursin/DA (50 mg/kg) and (b) DOH (37.5 mg/kg) in CMC formula. Each point represents mean values of three rats. Error bars represent standard errors.
XIC of +M R M (5 pairs): 329.083/229.200 Da from Sample 2 (Retention PK #5 0.5h 002) of 20120730_LL_D Pred.wiff (Turbo Spray)

Max. 2.9e5 cps.

Intensity, cps

Time, min

Prednisolone (IS)

XIC of +M R M (5 pairs): 361.200/147.200 Da from Sample 2 (Retention PK #5 0.5h 002) of 20120730_LL_D Pred.wiff (Turbo Spray)

Max. 5.0e5 cps.

Intensity, cps

Time, min

b

Prednisolone (IS)

XIC of +M R M (5 pairs): 329.00/229.200 Da from Sample 3 (Retention PK #5 0.5h 002) of 20120730_LL_D Pred.wiff (Turbo Spray)

Max. 1.7e7 cps.

Intensity, cps

Time, min

c

XIC of +M R M (5 pairs): 329.00/229.200 Da from Sample 3 (Retention PK #5 0.5h 002) of 20120730_LL_D Pred.wiff (Turbo Spray)

Max. 1.7e7 cps.

Intensity, cps

Time, min

d
**Fig. 2S** Analysis of decursin and DA in rat plasma by UHPLC-MS/MS. (a) Representative LC-MS/MS chromatogram for detection of decursin and DA with MRM transition 329.2→229.2 in rat plasma PK samples; (b) representative LC-MS/MS chromatogram for detection of prednisolone (IS) with MRM transition 361.2→147.1 in rat plasma PK samples; (c) MS/MS spectrum of decursin, M+1 is for molecular ion; (d) MS/MS spectrum of DA.
Fig. 3S *In vitro* incubation of decursin/DA with rat S9 fraction in the presence of NADPH. (a) Rat liver S9 at time 0; (b) rat liver S9 with 15 min incubation; (c) rat intestinal S9 at time 0; (d) rat intestinal S9 with 30 min incubation.