Supplementary Materials to:

Quantitative Analysis and Stability Study on Iridoid Glycosides from seed meal of *Eucommia ulmoides* Oliver

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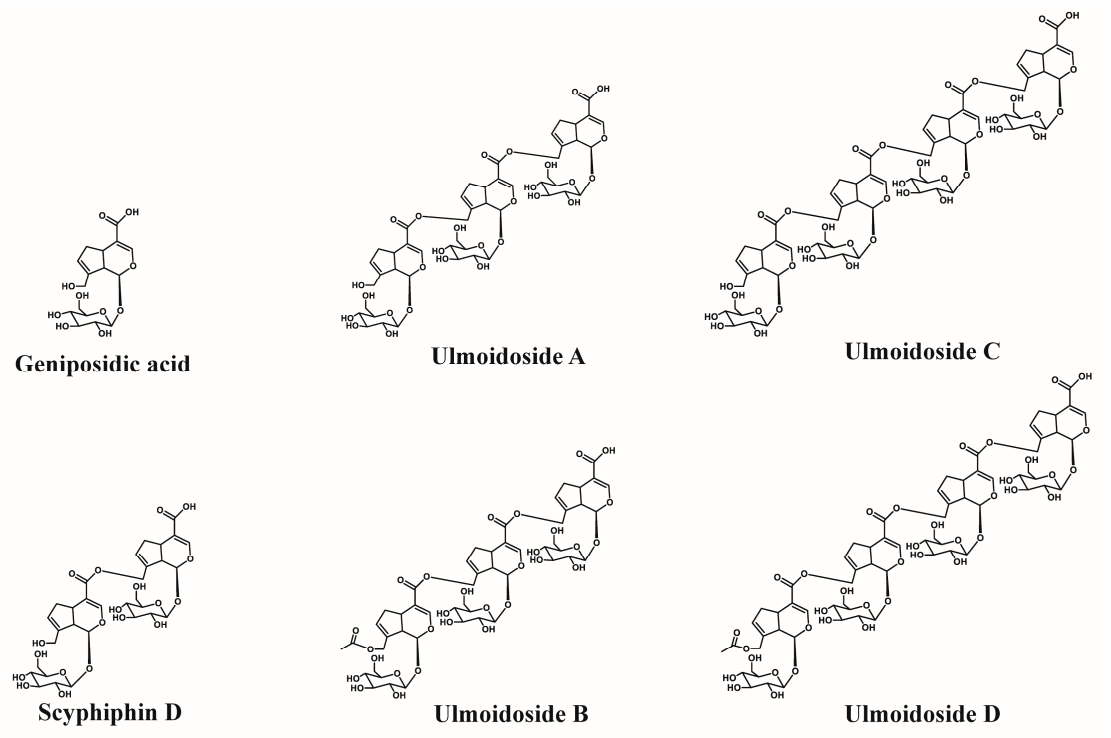


Figure S1. Structures of six natural iridoid compounds isolated from seed meal of *E. ulmoide* Oliv..

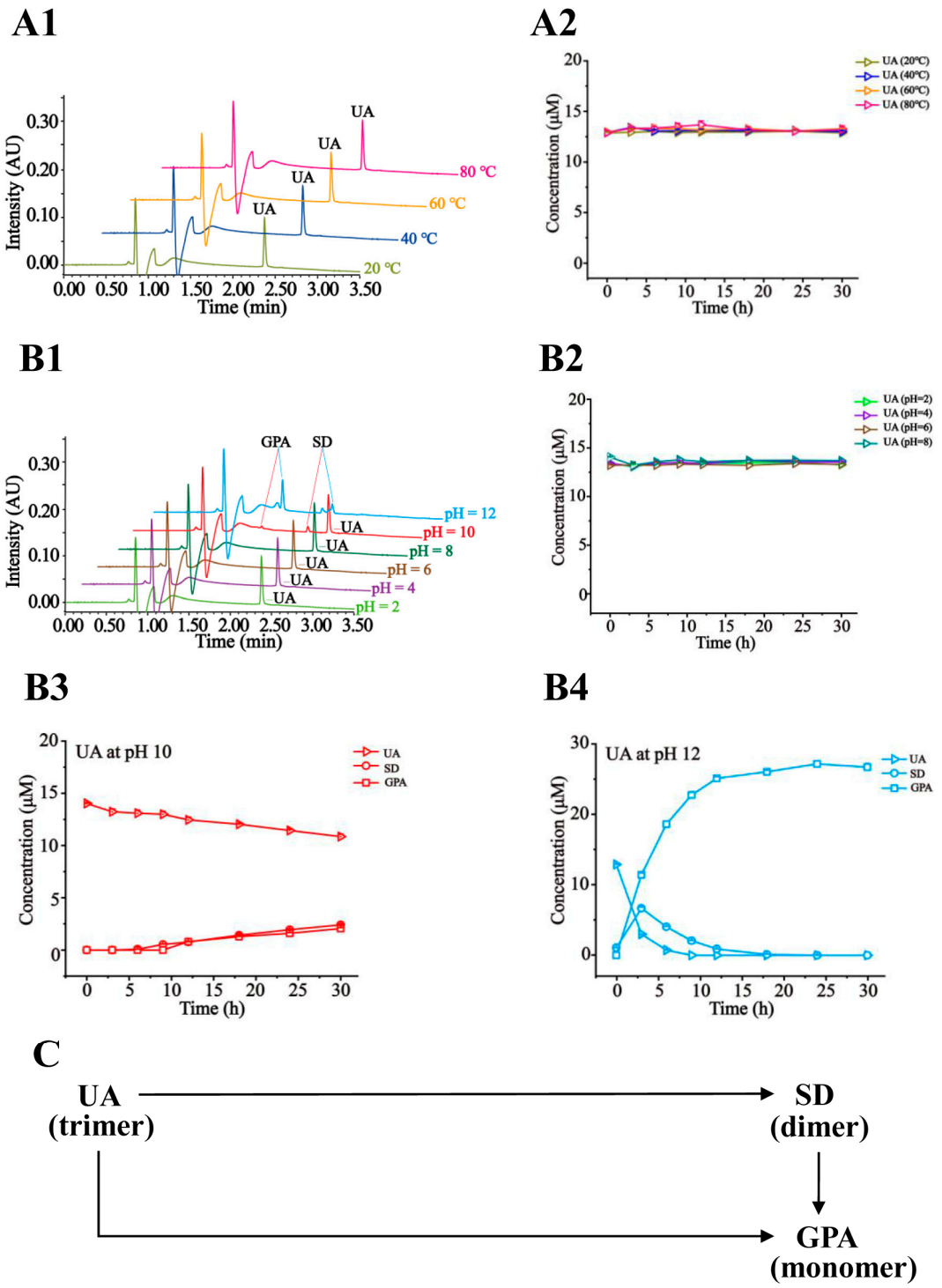


Figure S2. Representative UPLC chromatograms of UA in the tested solution exposed to different temperatures (**A1**) and pH levels (**B1**) after 24 h; Time-concentration curves of UA at different temperatures (**A2**) and pH 2 ~ 8 (**B2**); Time-concentration curves of UA and the degraded products at pH 10 (**B3**) and pH 12 (**B4**); The proposed degradation pathways of UA (**C**).

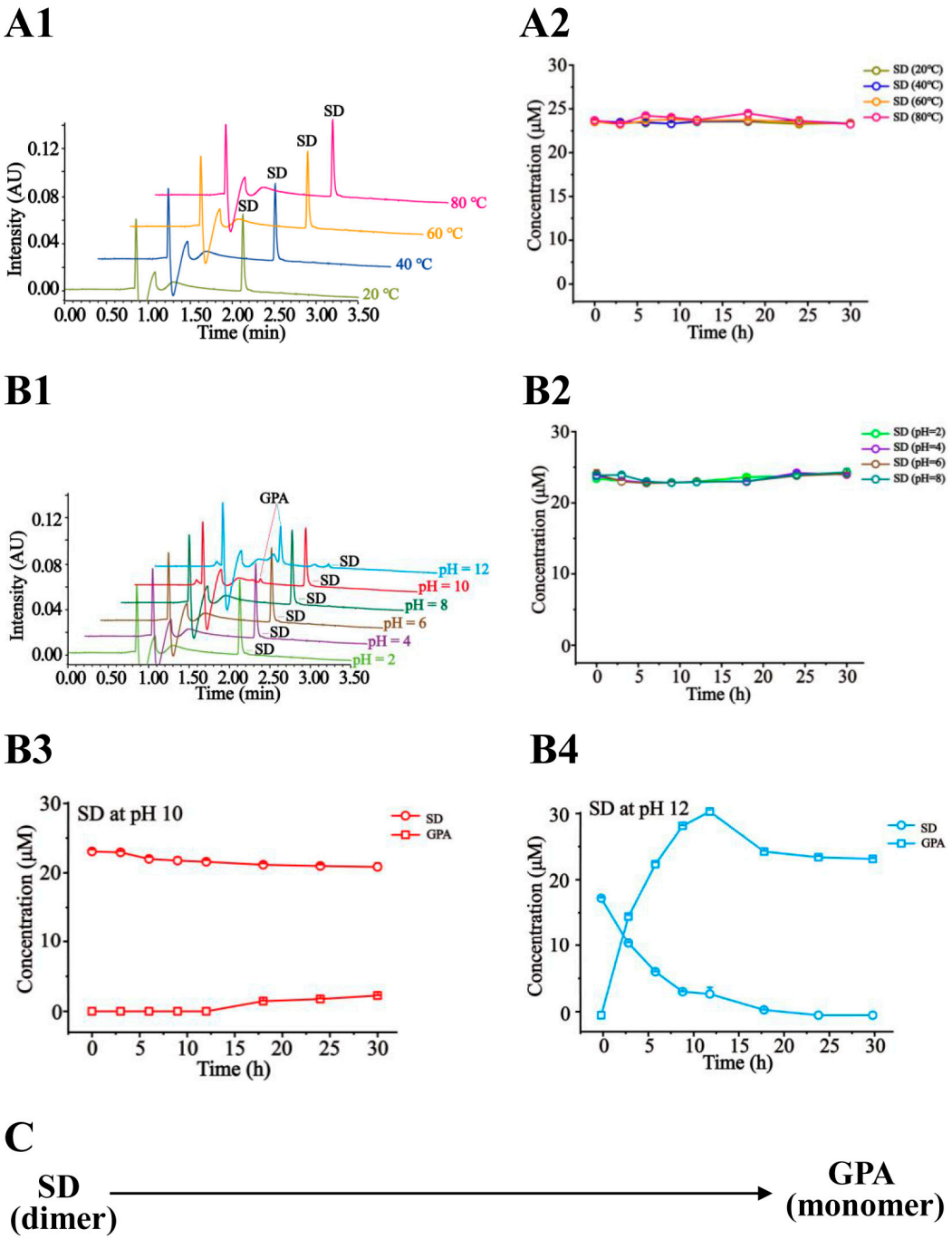


Figure S3. Representative UPLC chromatograms of SD in the tested solution exposed to different temperatures (**A1**) and pH levels (**B1**) after 24 h; Time-concentration curves of SD at different temperatures (**A2**) and pH 2 ~ 8 (**B2**); Time-concentration curves of SD and the degraded products at pH 10 (**B3**) and pH 12 (**B4**); The proposed degradation pathways of SD (**C**).

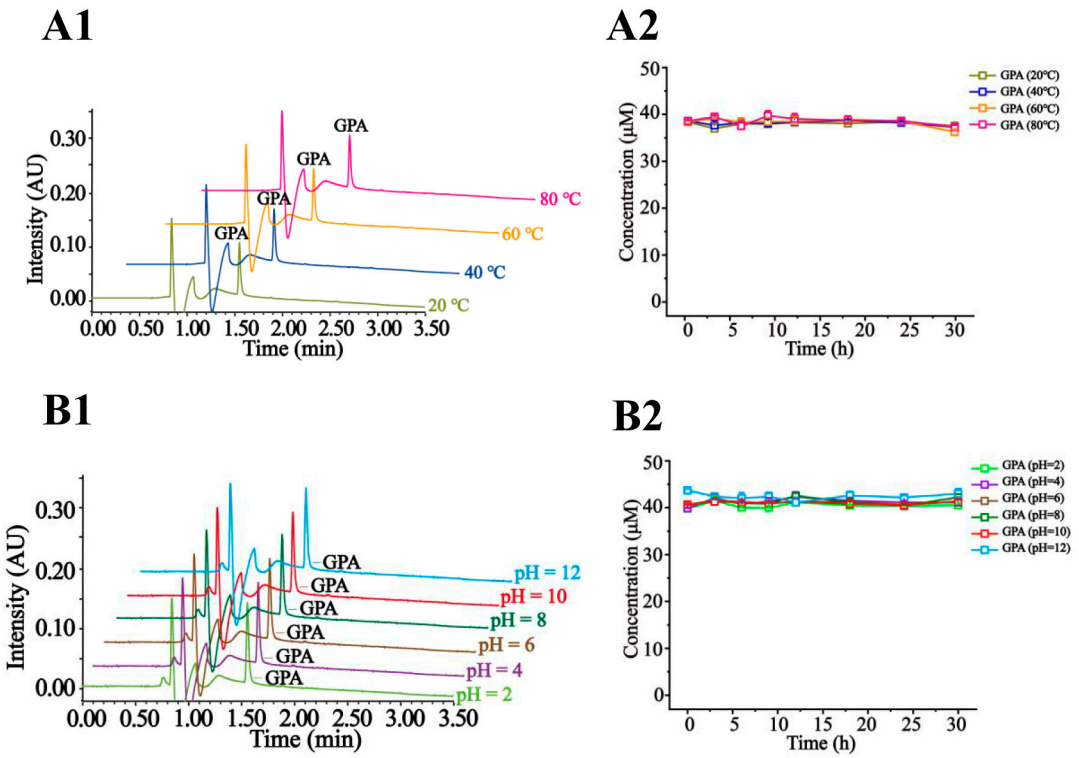


Figure S4. Representative UPLC chromatograms of GPA in the tested solution exposed to different temperatures (**A1**) and pH levels (**B1**) after 24 h; Time-concentration curves of GPA at different temperatures (**A2**) and pH 2 ~ 12 (**B2**).

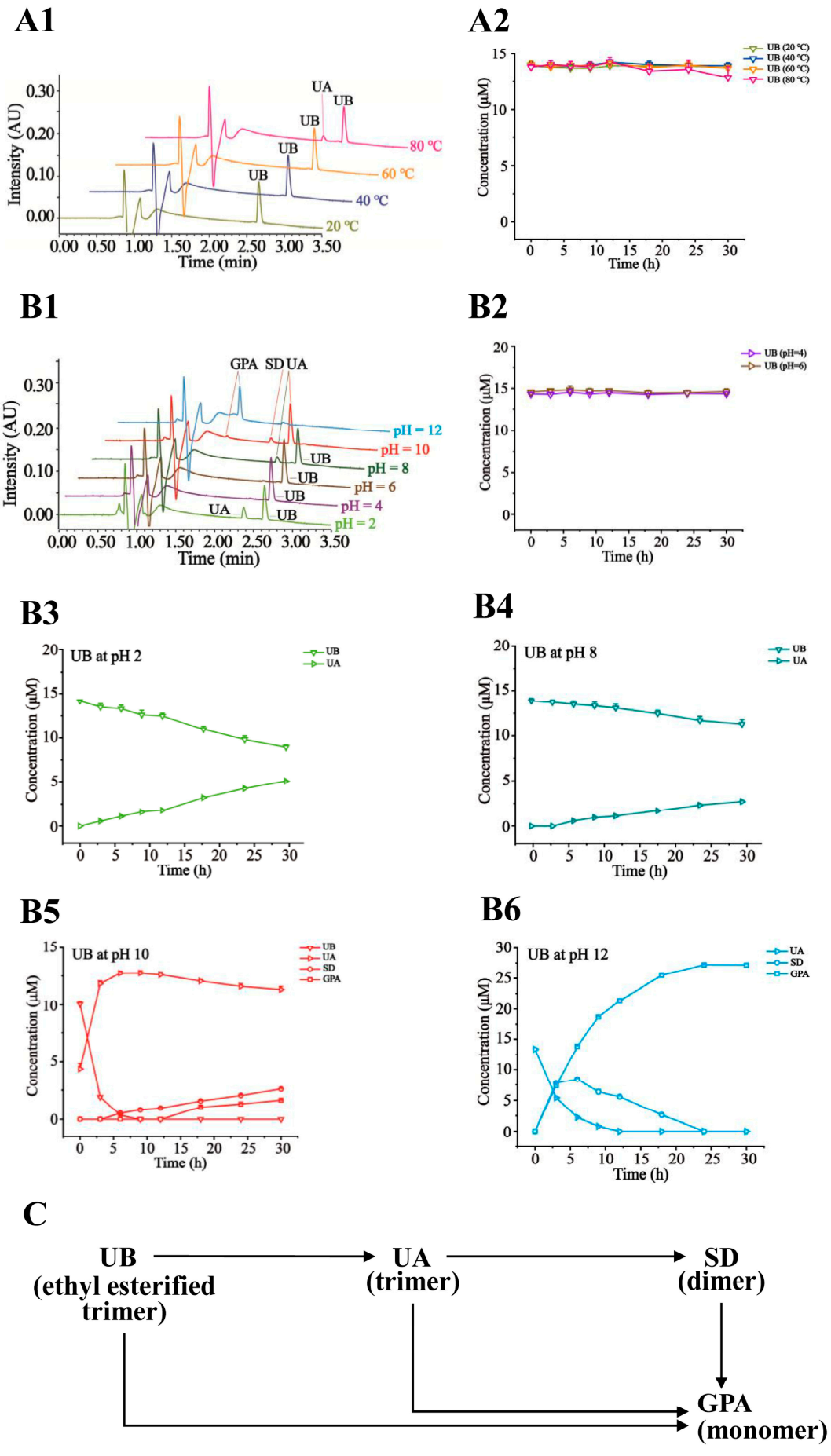

A1
Intensity (AU)
Time (min)
UA
UB
80 ℃
60 ℃
40 ℃
20 ℃
A2
Concentration (μM)
Time (h)
UB (20 ℃)
UB (40 ℃)
UB (60 ℃)
UB (80 ℃)
B1
Intensity (AU)
Time (min)
GPA SD UA
pH = 12
pH = 10
pH = 8
pH = 6
pH = 4
pH = 2
B2
Concentration (μM)
Time (h)
UB (pH=4)
UB (pH=6)
B3
UB at pH 2
Concentration (μM)
Time (h)
UB
UA
B4
UB at pH 8
Concentration (μM)
Time (h)
UB
UA
B5
UB at pH 10
Concentration (μM)
Time (h)
UB
UA
SD
GPA
B6
UB at pH 12
Concentration (μM)
Time (h)
UA
SD
GPA
C
UB
(ethyl esterified
trimer)
UA
(trimer)
SD
(dimer)
GPA
(monomer)

Figure S5. Representative UPLC chromatograms of UB in the exposed solution at different temperatures (**A1**) and pH levels (**B1**) for 24 h; Time-concentration curves of UB at different temperatures (**A2**) and pH 4 ~ 6 (**B2**); Time-concentration curves of UB and the degraded products at pH 2 (**B3**), pH 8 (**B4**), pH 10 (**B5**), and pH 12 (**B6**); The proposed degradation pathways of UB (**C**).