SUPPLEMENTARY MATERIAL

Two new monoterpene glucosides from Xanthium strumarium subsp. Sibiricum with their anti-inflammatory activity

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ABSTRACT: Two new monoterpene glucosides: xanmonoter A (1) and xanmonoter B (2) were isolated from Xanthium strumarium. Their structures were elucidated on the basis of 1D and 2D NMR, MS and CD analysis. Compounds 1 and 2 were tested for their anti-inflammatory activity with IC\textsubscript{50} values of 17.4, 22.1 \(\mu\)M, respectively.

Key words X. sibiricum; monoterpene glucosides; anti-inflammatory activity

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Figure S1. $^1$H-NMR (400 MHz, CD$_3$OD) spectrum of the new compound 1

Figure S2. $^{13}$C-NMR (100 MHz, CD$_3$OD) spectrum of the new compound 1

Figure S3. HSQC spectrum of the new compound 1

Figure S4. HMBC spectrum of the new compound 1

Figure S5. $^1$H-$^1$H COSY spectrum of the new compound 1

Figure S6. $^1$H-NMR (400 MHz, CD$_3$OD) spectrum of the new compound 2

Figure S7. $^{13}$C-NMR (100 MHz, CD$_3$OD) spectrum of the new compound 2

Figure S8. HSQC spectrum of the new compound 2

Figure S9. HMBC spectrum of the new compound 2

Figure S10. $^1$H-$^1$H COSY spectrum of the new compound 2

Figure S11. Selected $^1$H-$^1$H COSY (Bold bonds) and HMBC (Arrows) correlations for compound 1
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Figure S8. HSQC spectrum of the new compound 2
Figure S9. HMBC spectrum of the new compound 2

Figure S10. $^1$H-$^1$H COSY spectrum of the new compound 2
Figure S11. Selected $^1$H-$^1$H COSY (Bold bonds) and HMBC (Arrows) correlations for compound 1