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A New Tissue Factor Inhibitory Triterpene from the Fruit of *Chaenomeles sinensis*

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Tissue factor (TF, tissue thromboplastin or coagulation factor III) accelerates the blood clotting, activating both the intrinsic and the extrinsic pathways to serve as a cofactor. In order to isolate TF inhibitor from the fruit of *Chaenomeles sinensis*, an activity-guided purification was carried out to yield two triterpene saponins. One compound was new and the structure was elucidated as 28-O-β-D-glucopyranosyl 2,3-dihydroxy-olean-12-en-24,28-dioic acid ester (**2**) by means of spectral analysis and chemical conversion. The other compound is trachelosperoside A-1 (**1**). Compound **2** and its aglycone prolonged 50% the prothrombin time at the concentrations of 7.7 and 4.2 μg / 100 μl plasma / one TF unit, respectively. Compound **1** was inactive and was also isolated for the first time from the this plant.

Key words
Chaenomeles sinensis (Rosaceae), 28-O-β-D-glucopyranosyl- 2,3-dihydroxy-olean-12-en-24,28-dioic acid ester, tissue factor inhibitor