

# Two New Limonoids with a 3-*O*- $\beta$ -Tigloyl Group from the Seeds of the Chinese Mangrove *Xylocarpus granatum*

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A new mexicanolide and a new phragmalin, named 30 $\alpha$ -hydroxyl xylogranatin A and xylogranatin E<sub>2</sub>, respectively, have been isolated from the seeds of a Chinese mangrove *Xylocarpus granatum*. Their structures were identified on the basis of spectroscopic data. Each of them has a 3-*O*- $\beta$ -tigloyl group. The first complete assignments of <sup>1</sup>H and <sup>13</sup>C NMR data for these limonoids were achieved by means of 2D NMR techniques, including <sup>1</sup>H–<sup>1</sup>H COSY, HSQC, HMBC and NOESY spectra.

*Key words:* Mexicanolide, Phragmalin, 3-*O*- $\beta$ -Tigloyl Group, *Xylocarpus granatum*,  
Complete NMR Assignments