

## Structure Elucidation of A New 2-Arylbenzofuran Isolated from *Sesbania grandiflora*

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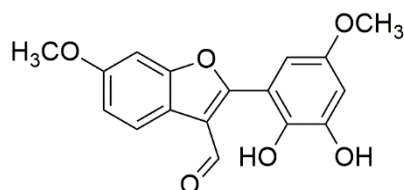
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Some new naturally phenolic compounds have been successfully isolated from the ethyl acetate extract of the stem bark of *Sesbania grandiflora*. We reported herein the isolation and identification of a new 2-arylbenzofuran, namely sesbagrandiflorain A from the EtOAc extract of *S. grandiflora* stem bark. The structure elucidation of sesbagrandiflorain A was performed using one- and two-dimensional nuclear magnetic resonance, ultraviolet and infrared spectroscopy, and electrospray ionization time-of-flight mass spectrometry. This compound was found for the first time from *Sesbania grandiflora*.

Keywords: 2-arylbenzofuran, sesbagrandiflorain A, *Sesbania grandiflora*



sesbagrandiflorain A