

## Chemical Constituents of *Silene seulensis* Nakai from Demilitarized Zone(DMZ)

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*Silene seulensis* Nakai was used as traditional medicines in Korea. we collected plant from demilitarized zone (DMZ).

*S. seulensis* was extracted with 30, 50, and 70% ethanol and partitioned successively with n-hexane, EtOAc, dichloromethane and BuOH. These extracts (30, 50 and 70% ethanol) were evaluated the cytotoxicity on B16F10 and Hacat cell lines.

The LC-MS/MS data of each fractions (n-hexane, EtOAc, dichloromethane, and BuOH) were compared with MS library, combined with ultraviolet/visual (UV/Vis) and MS data for faster determine structure by database search results.

This led to the identification of four compounds (1-4) from *S. seulensis*. These compounds was isolated first time from *S. seulensis*.

Their chemical structures are elucidated by combinations of NMR and mass spectrometry techniques.

Key words: *Silene seulensis* Nakai, Demilitarized Zone, Cytotoxicity, Mass

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