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Moringa oleifera leaf extract as an oral anticancer drug candidate

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Moringa oleifera that can grow to approximately 5-10 meters in a year is a plant found in many tropical and subtropical countries from South Asia to West and East Africa. It is famous for its high nutrition sources such as fats, proteins, minerals, and phytochemicals. Many different applications such as a nutritional supplement and as a water purifier have been attributed to this plant. Its anticancer activity against several human cancer cells has recently been described in scientific journals; however, it has been restricted in cell-based assay. In addition, a majority of studies have been focused on the water-insoluble compounds that have been extracted using conventional solvent extraction. In this study, a new type of water-soluble extract has been prepared and the anticancer activity of the water-soluble *Moringa oleifera* leaf extract has been investigated. Finally, the possible application as a new oral anticancer drug candidate has been studied via mouse test.

Biography

Il Lae Jung has completed his PhD course from Sung-Kyun-Kwan University and postdoctoral program from Korea Atomic Energy Research Institute (KAERI) in Korea. He is the director of Environmental Radiation Research Group in KAERI.

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