

Project title:

Testing Potential of Glucosinolate Derived Isothiocyanate for Anti-viral Activity Against COVID-19

Abstract

Glucosinolate derived isothiocyanates (ITC) from cruciferous vegetables have been studied extensively in cells and in animals for their disease preventive and therapeutic effects. Sulforaphane (SFN), the major ITC present in Broccoli has been well-recognized as an antioxidant, antitumor compound and potent immune modulator against the attack of microbes. There are also indications that glucosinolate-derived ITCs have anti-viral activity. The proposal aims to test the efficacy of one particular glucosinolate derived isothiocyanate, as an anti-viral against COVID-19 and to produce it cheaply from plants.

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