

Phytochemical studies *Phyllanthus niruri* in Hepatitis B virus

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ABSTRACT

Phyllanthus niruri Linn. Belongs to Euphorbiaceae family and is a small herb having wide range of medicinal properties, it is used widely across the world. In Indian Ayurveda system it is used for jaundice, ulcers, skin disease, diabetes, chest pain and urinary complication and even to HIV virus. Its taste is bitter and laxative shows astringent effect. This abstract covers information about ethano medicinal uses of *phyllanthus niruri* in different countries with various pharmacological profile of the plant. It is used to tone, balance, strengthen, detoxify and protect the kidney. The phytochemical studies were characterized and the presence of various compounds such as lignans, *phyllanthus*, hypophyllanthin, bioflavonoids (quercetin), glycosinoids, repandusinic acid and tannins were detected. Repandusinic acid has been shown to have anti-viral properties in-vitro. The extract of *phyllanthus niruri* have a wide range of pharmacological activities like antimicrobial, antiviral, hepatoprotective, antioxidant, anticancer, anti-inflammatory, antiplasmodial and diuretic. *Phyllanthus niruri* is very safe at recommended dosage. Hepatitis B is an infectious illness of liver caused by the hepatitis B virus that affects the humans. Hepatitis B is one of the major diseases inflicting the human population. Conventional therapy with interferon-alpha is very expensive and has many serious side effects. Alternative herbal medicine using extract of *phyllanthus niruri* has been reported to be effective against hepatitis B and other viral infection. The purpose of this study is quantitative determine the antiviral effect of these herb in a well-defined in-vitro system