

Chanca Piedra (*Phyllanthus niruri*)

Antiviral Research

- Mandal, A., and B. Hazra. "Medicinal plant molecules against hepatitis C virus: Current status and future prospect." *Phytother. Res.* 2023 Oct; 37(10): 4353-4374.
- Marhaeny, H., et al. "Phyllanthin and hypophyllanthin, the isolated compounds of *Phyllanthus niruri* inhibit protein receptor of corona virus (COVID-19) through in silico approach." *J. Basic Clin. Physiol. Pharmacol.* 2021 Jun; 32(4): 809-815.
- Murugesan, S., et al. "Targeting COVID-19 (SARS-CoV-2) main protease through active phytocompounds of ayurvedic medicinal plants - *Emblica officinalis* (Amla), *Phyllanthus niruri* Linn. (Bhumi Amla) and *Tinospora cordifolia* (Giloy) - A molecular docking and simulation study." *Comput. Biol. Med.* 2021 Sep; 136: 104683.
- Hiremath, S., et al. "In silico docking analysis revealed the potential of phytochemicals present in *Phyllanthus amarus* and *Andrographis paniculata*, used in Ayurveda medicine in inhibiting SARS-CoV-2." *3 Biotech.* 2021 Feb; 11(2): 44.
- Cui, Q., et al. "Lignans and their derivatives from plants as antivirals." *Molecules* 2020 Jan; 25(1): 183.
- Reddy, B., et al. "Potent HCV NS3 Protease Inhibition by a Water-Soluble Phyllanthin Congener." *ACS Omega.* 2020 May; 5(20): 11553-11562.
- Virusutik, W., et al. "Anti-viral activity of *Phyllanthus niruri* against Hepatitis C." *Malays. Appl. Biol.* 2019; 48(3): 105-111.
- Baiguera, C., et al. "*Phyllanthus niruri* versus placebo for chronic hepatitis B virus infection: A randomized controlled trial." *Complement. Med. Res.* 2018; 25(6): 376-382.
- Reddy, B., et al. "A natural small molecule inhibitor corilagin blocks HCV replication and modulates oxidative stress to reduce liver damage." *Antiviral Res.* 2018 Feb; 150: 47-59.
- Li, Y., et al. "Anti-hepatitis B viral activity of *Phyllanthus niruri* L (Phyllanthaceae) in HepG2/C3A and SK-HEP-1 cells." *Trop. J. Pharma. Res.* 2017 Aug; 16 (8): 1873-1879.
- Mohan, M., et al. "Molecular docking studies of phytochemicals from *Phyllanthus niruri* against Hepatitis B DNA Polymerase." *Bioinformation.* 2015 Sep 30; 11(9): 426-31.
- Liu, S., et al. "In vitro and in vivo anti-hepatitis B virus activities of the lignan niranthin isolated from *Phyllanthus niruri* L." *J. Ethnopharmacol.* 2014 Sep 11; 155(2): 1061-7.
- Qi, F., et al. "Traditional Chinese medicine and related active compounds: a review of their role on hepatitis B virus infection." *Drug Discov. Ther.* 2013 Dec; 7(6): 212-24.
- Faral-Tello, P., et al. "Cytotoxic, virucidal, and antiviral activity of South American plant and algae extracts." *Sci. World J.* 2012; 2012: 174837.
- Wei, W., et al. "Lignans with anti-hepatitis B virus activities from *Phyllanthus niruri* L." *Phytother. Res.* 2012 Jul; 26(7): 964-8.

Ravikumar, Y., et al. "Inhibition of hepatitis C virus replication by herbal extract: *Phyllanthus amarus* as potent natural source." *Virus Res.* 2011 Jun; 158(1-2): 89-97.

Cheng, H., et al. "Excoecarianin, isolated from *Phyllanthus urinaria* Linnaea, inhibits *Herpes simplex* virus type 2 infection through inactivation of viral particles." *Evid. Based Complement. Alternat. Med.* 2011; 2011: 259103.

Ott, M., et al. "Use of *Phyllanthus* constituents for treating or preventing infections caused by hepatitis B-viruses." U.S. Patent # US7829124B2. Nov. 2010.

Dirjomuljono, M., et al. "Symptomatic treatment of acute tonsillo-pharyngitis patients with a combination of *Nigella sativa* and *Phyllanthus niruri* extract." *Int. J. Clin. Pharmacol. Ther.* 2008; 46(6): 295-306.

Yang, C., et al. "The *in vitro* activity of geraniin and 1,3,4,6-tetra-O-galloyl-beta-D-glucose isolated from *Phyllanthus urinaria* against *Herpes simplex* virus type 1 and type 2 infection." *J. Ethnopharmacol.* 2007 Apr; 110(3): 555-8.

Sarisetyaningtyas, P., et al. "Randomized controlled trial of *Phyllanthus niruri* Linn extract." *Paediatr. Indones.* 2006 Mar-Apr; 46(3-4): 77-81.

Bagalkotkar, G., et al. "Phytochemicals from *Phyllanthus niruri* Linn. and their pharmacological properties: a review." *J. Pharm. Pharmacol.* 2006 Dec; 58(12): 1559-70.

Naik, A., et al. "Effects of alkaloidal extract of *Phyllanthus niruri* on HIV replication." *Indian J. Med. Sci.* 2003 Sep; 57(9): 387-93.

Huang, R., et al. "Screening of 25 compounds isolated from *Phyllanthus* species for anti-human hepatitis B virus *in vitro*." *Phytother. Res.* 2003; 17(5): 449-53.

Liu, J., et al. "Genus *Phyllanthus* for chronic Hepatitis B virus infection: A systematic review." *Viral Hepat.* 2001; 8(5): 358-66.

Xin-Hua, W., et al. "A comparative study of *Phyllanthus amarus* compound and interferon in the treatment of chronic viral Hepatitis B." *Southeast Asian J. Trop. Med. Public Health* 2001; 32(1): 140-42.

Wang, M., et al. "Herbs of the genus *Phyllanthus* in the treatment of chronic Hepatitis B: Observation with three preparations from different geographic sites." *J. Lab. Clin. Med.* 1995; 126(4): 350-52.

Unander, D., et al. "Usage and bioassays in *Phyllanthus* (Euphorbiaceae). IV. Clustering of antiviral uses and other effects." *J. Ethnopharmacol.* 1995; 45: 1-18.

Wang, M., et al. "Observations of the efficacy of *Phyllanthus* spp. in treating patients with chronic Hepatitis B." 1994; 19(12): 750-52.

Thyagarajan, S. P., et al. "Effect of *Phyllanthus amarus* on chronic carriers of Hepatitis B virus." *Lancet* 1988; 2(8614): 764-66.

Venkateswaran, P., et al. "Effects of an extract from *Phyllanthus niruri* on Hepatitis B and wood chuck hepatitis viruses: *in vitro* and *in vivo* studies." *Proc. Nat. Acad. Sci.* 1987; 84(1): 274-78.

Bhumyamalaki, et al. "*Phyllanthus niruri* and jaundice in children." *J. Natl. Integ. Med. Ass.* 1983;

25(8): 269-72.

Thyagarajan, S., et al. "In vitro inactivation of HBsAG by *Eclipta alba* (Hassk.) and *Phyllanthus niruri* (Linn.)." *Indian J. Med. Res.* 1982; 76s: 124-30.

Notka, F., et al. "Concerted inhibitory activities of *Phyllanthus amarus* on HIV replication *in vitro* and *ex vivo*." *Antiviral Res.* 2004 Nov; 64(2): 93-102.

Notka, F., et al. "Inhibition of wild-type human immunodeficiency virus and reverse transcriptase inhibitor-resistant variants by *Phyllanthus amarus*." *Antiviral Res.* 2003 Apr; 58(2): 175-186.

Qian-Cutrone, J. "Nirurisode, a new HIV REV/RRE binding inhibitor from *Phyllanthus niruri*." *J. Nat. Prod.* 1996; 59(2): 196-99.

Ogata, T., et al. "HIV-1 reverse transcriptase inhibitor from *Phyllanthus niruri*." *AIDS Res. Hum. Retroviruses* 1992; 8(11): 1937-44.

Return to the Rain-Tree [Tropical Plant Database File on Chanca Piedra](#)

© Copyrighted 2025 by [Leslie Taylor](#). All rights reserved.