

## Withanolides

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### Recent Publications on Withanolides:

- [In vitro withanolide production by \*Withania somnifera\* L. cultures.](#)  
*In vitro multiple shoots, root, callus and cell suspension cultures of...*30th August, 2008  
Central Institute of Medicinal and Aromatic Plants (CIMAP), P. O.-CIMAP,- Z Naturforsch [C]. 2008  
May-Jun;63(5-6):409-12.
- [Constituents of the stem bark of \*Discopodium penninervium\* and their LTB4 and COX-1 and -2 inhibitory activities.](#)  
*The stem bark of *Discopodium penninervium* afforded a withanolide,...*29th July, 2008  
Institute of Pharmaceutical Sciences, Department of Pharmacognosy,- Phytochemistry. 2008  
Feb;69(4):982-7. Epub 2007 Dec 20. ([DOI Direct Link](#))
- [Withanolides from \*Withania somnifera\* roots.](#)  
*Two new and seven known withanolides along with beta-sitosterol,...*29th July, 2008  
Central Institute of Medicinal and Aromatic Plants, P.O.-CIMAP, Lucknow- Phytochemistry. 2008  
Feb;69(4):1000-4. Epub 2007 Dec 3. ([DOI Direct Link](#))
- [Analysis of withanolides in root and leaf of \*Withania somnifera\* by HPLC with photodiode array and evaporative light scattering detection.](#)  
*A reversed-phase HPLC method for the simultaneous analysis of nine...*13th May, 2008  
Central Institute of Medicinal and Aromatic Plants, PO CIMAP,- Phytochem Anal. 2008  
Mar;19(2):148-54. ([DOI Direct Link](#))
- [Withangulatin I, a new cytotoxic withanolide from \*Physalis angulata\*.](#)  
*A new withanolide, withangulatin I (2), was isolated from the whole plant...*20th March, 2008  
Department of Applied Chemistry, Chia-Nan University of Pharmacy and- Chem Pharm Bull (Tokyo).  
2008 Feb;56(2):234-6.
- [Withanolide A is inherently de novo biosynthesized in roots of the medicinal plant \*Ashwagandha\* \(\*Withania somnifera\*\).](#)  
*Ashwagandha (*Withania somnifera* Dunal., Solanaceae) is one of the most...*4th March, 2008  
Central Institute of Medicinal and Aromatic Plants (CSIR), PO CIMAP,- Physiol Plant. 2008  
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- [Withania somnifera inhibits NF-kappaB and AP-1 transcription factors in human peripheral blood and synovial fluid mononuclear cells.](#)  
*Withania somnifera (WS) is an important herb with known antiinflammatory...*1st February, 2008  
Department of Immunology, Sanjay Gandhi Post-Graduate Institute of Medical- Phytother Res. 2007  
Oct;21(10):905-13. ([DOI Direct Link](#))
- [Withanolides from \*Jaborosa laciniata\*.](#)

*Six new trechonolide type withanolides (compounds 1- 6), together with...*18th December, 2007  
Departamento de Quimica Organica and UMYMFOR (CONICET-FCEN), Facultad de- J Nat Prod. 2007 Oct;70(10):1644-6. Epub 2007 Sep 21. ([DOI Direct Link](#))

- [Withanolides from Jaborosa kurtzii.](#)

*Two new withanolides were isolated and characterized from the aerial parts...*6th December, 2007  
Departamento de Quimica Organica and Instituto Multidisciplinario de- J Nat Prod. 2007 Sep;70(9):1513-5. Epub 2007 Aug 22. ([DOI Direct Link](#))

- [Purification and characterization of a novel glucosyltransferase specific to 27beta-hydroxy steroidal lactones from Withania somnifera and its role in stress responses.](#)

*Sterol glycosyltransferases catalyze the synthesis of diverse glycoesters...*2nd November, 2007  
National Botanical Research Institute, Rana Pratap Marg, Lucknow,- Biochim Biophys Acta. 2007 Sep;1774(9):1199-207. Epub 2007 Jul 12. ([DOI Direct Link](#))

- [Cytotoxic withanolides from the flowers of Datura metel.](#)

*Chemical investigation of a methanol extract of the flowers of Datura...*24th August, 2007  
State Key Laboratory of Virology, College of Pharmacy, Wuhan University,- J Nat Prod. 2007 Jul;70(7):1127-32. Epub 2007 Jun 21. ([DOI Direct Link](#))

- [Isolation, structures, and structure - cytotoxic activity relationships of withanolides and physalins from Physalis angulata.](#)

*Phytochemical investigation of Physalis angulata was initiated following...*24th August, 2007  
Department of Chemistry, National Cheng Kung University, Tainan 701,- J Nat Prod. 2007 Jul;70(7):1146-52. Epub 2007 Jun 20. ([DOI Direct Link](#))

- [Natural products as a gold mine for arthritis treatment.](#)

*Arthritis, an inflammation of the joints, is usually a chronic disease...*22nd August, 2007  
Division of Immunology, Department of Medicine, University of Cincinnati,- Curr Opin Pharmacol. 2007 Jun;7(3):344-51. Epub 2007 May 1. ([DOI Direct Link](#))

- [A bioactive withanolide Tubocapsanolide A inhibits proliferation of human lung cancer cells via repressing Skp2 expression.](#)

*Withanolides are generally defined as C(28) steroidal lactones built on an...*19th August, 2007  
Graduate Institute of Medicine, College of Medicine, Kaohsiung Medical- Mol Cancer Ther. 2007 May;6(5):1572-8. ([DOI Direct Link](#))

- [The protective effect of a purified extract of Withania somnifera against doxorubicin-induced cardiac toxicity in rats.](#)

*The therapeutic value of doxorubicin as an effective antineoplastic agent...*24th May, 2007  
Biology Department, College of Science, U.A.E. University, Al-Ain, United- Cell Biol Toxicol. 2008 Jan;24(1):63-73. Epub 2007 May 23. ([DOI Direct Link](#))

## BioNews Results for Withanolides

- [Withanolides, Probes And Binding Targets And Methods Of Use Thereof](#)

*Therapeutics Daily: Aug 25 2008 5:50PM Matching: withanolides*

## Withanolides Patents:



- 6828456- [2-amino-2-alkyl-3 hexenoic and hexynoic acid derivatives useful as nitric oxide synthase inhibitors](#)
- 6995162- [Substituted alkylamine derivatives and methods of use](#)
- 6998394- [Process for isolating physalins from plants and pharmaceutical compositions containing physalins](#)
- 7005450- [2-amino-2-alkyl-4 hexenoic and hexynoic acid derivatives useful as nitric oxide synthase inhibitors](#)
- 7067159- [Methods for treating prostate cancer with herbal compositions](#)
- 7101868- [Substituted arylamine derivatives and methods of use](#)
- 7102009- [Substituted amine derivatives and methods of use](#)
- 7102013- [Methods of making amidino compounds useful as nitric oxide synthase inhibitors](#)
- 7105682- [Substituted amine derivatives and methods of use](#)
- 7108870- [Process for isolation of withaferin-A from plant materials and products therefrom](#)
- 7109211- [Substituted benzopyran derivatives for the treatment of inflammation](#)
- 6955873- [Diagnosis and treatment system for reward deficiency syndrome \(RDS\) and related behaviors](#)
- 6951889- [2-amino-2-alkyl-5 heptenoic and heptynoic acid derivatives useful as nitric oxide synthase inhibitors](#)
- 6951876- [Sulfamoylheteroaryl pyrazole compounds as anti-inflammatory/analgesic agents](#)
- 6833373- [Method of using an integrin antagonist and one or more antineoplastic agents as a combination therapy in the treatment of neoplasia](#)
- 6858598- [Method of using a matrix metalloproteinase inhibitor and one or more antineoplastic agents as a combination therapy in the treatment of neoplasia](#)
- 6864255- [Substituted triazinyl amide derivatives and methods of use](#)
- 6866872- [Withania somnifera Dunal extracts for increasing male sperm count](#)
- 6878714- [Substituted alkylamine derivatives and methods of use](#)
- 6881737- [Substituted triazinyl acrylamide derivatives and methods of use](#)
- 6914158- [Amidino compounds useful as nitric oxide synthase inhibitors](#)
- 6916800- [Combination therapy including a matrix metalloproteinase inhibitor and an antineoplastic agent](#)
- 6939874- [Substituted pyrimidinyl derivatives and methods of use](#)
- 6949536- [Sulfonylbenzene compounds as anti-inflammatory/analgesic agents](#)
- 7115617- [Amino-substituted pyrimidinyl derivatives and methods of use](#)
- 7119111- [2-oxo-1,3,4-trihydroquinazoliny derivatives and methods of use](#)
- 7282593- [Withanamide and withanolide compositions and method of use thereof](#)
- 7307088- [Substituted anthranilic amide derivatives and methods of use](#)
- 7314886- [Tetrahydropyrano-indole derivatives](#)
- 7318938- [Withania somnifera composition, method for obtaining same and pharmaceutical, nutritional and personal care formulations thereof](#)
- 7320992- [Substituted 2,3-dihydro-1h-isoindol-1-one derivatives and methods of use](#)
- 7344738- [Herbal composition for treatment of immunocompromised conditions](#)
- 7368134- [Herbal composition for treatment and maintenance of hormone dependent conditions and circulatory conditions, and immunostimulation](#)
- 7378112- [Herbal composition to improve psychological functions as an anxiolytic, tranquilizer, and non-narcotic sedative, as well as other physiological functions](#)
- 7390514- [Herbal composition for treatment and maintenance of hormone dependent conditions, osteoporosis, circulatory conditions, and for use as an immunostimulant](#)
- 7390820- [Substituted quinolinone derivatives and methods of use](#)
- 7270836- [Cyclooxygenase-2 inhibitory withanolide compositions and method](#)
- 7264833- [Cyclooxygenase-2 inhibitory withanolide compositions and method](#)
- 7264832- [Cyclooxygenase-2 inhibitory withanolide compositions and method](#)
- 7138411- [Substituted benzopyran derivatives for the treatment of inflammation](#)
- 7141253- [Cyclooxygenase-2 inhibitory withanolide compositions and method](#)

- 7195784- [Cyclooxygenase-2 inhibitory withanolide compositions and method](#)
- 7196104- [Thiazolyl urea compounds and methods of uses](#)
- 7196118- [Amidino compounds useful as nitric oxide synthase inhibitors](#)
- 7208182- [Cyclooxygenase-2 inhibitory withanolide compositions and method](#)
- 7211277- [Cyclooxygenase-2 inhibitory withanolide compositions and method](#)
- 7238679- [Heterocycles and uses thereof](#)
- 7259266- [Benzopyran compounds useful for treating inflammatory conditions](#)
- 7264831- [Cyclooxygenase-2 inhibitory withanolide compositions and method](#)
- 7407675- [Anti-neoplastic compositions comprising extracts of black cohosh](#)

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