

Investigaciones científicas que respaldan el tratamiento de La Planta de la Vida

Existen diversos estudios serios que avalan las características de los compuestos de la *Synadenium Grantii*, entre ellos el Phorbol. Invitamos a nuestros pacientes y lectores a visitar los sitios que señalamos a continuación, donde encontrarán este respaldo.

[Efecto antitumoral del látex de *Synadenium grantii* Hook f. \(Euphorbiaceae\)](#)

TL de Oliveira, ACM Munhoz, BM Lemes... - Journal of ..., 2013 - Elsevier

*Abstract Ethnopharmacological relevance **Synadenium grantii** Hook f. has traditionally been used to treat various neoplastic diseases in southern Brazil. Aim of study Evaluation of the antitumoural potential of **Synadenium grantii** latex against B16F10 melanoma cell line.*

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[Antiproliferative Effect of *Synadenium grantii* Hook f. stems \(Euphorbiaceae\) and a Rare Phorbol Diterpene Ester](#)

A Campos, [DB Vendramini-Costa](#)... - ... journal of toxicology, 2016 - journals.sagepub.com

*Antiproliferative Effect of **Synadenium grantii** Hook f. stems (Euphorbiaceae) and a Rare Phorbol Diterpene Ester. Adriana Campos, Débora Barbosa Vendramini-Costa, Giovanna Barbarini Longato, Taily Zermiani, Ana Lúcia Tasca Gois Ruiz, João Ernesto de Carvalho*

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[Isolation and characterization of proteolytic enzymes from the latex of *Synadenium grantii* Hook.f](#)

M Menon, PJ Vithayathil, SM Raju, CS Ramadoss - Plant Science, 2002 - Elsevier

*Two fractions showing proteolytic enzymes have been obtained from the latex of **Synadenium grantii** Hook.f, using gel-filtration and anion-exchange chromatographic techniques. Both these proteases have the same molecular mass of 76±2 kDa each.*

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[Antitumoural effect of *Synadenium grantii* Hook f.\(Euphorbiaceae\) latex](#)

TL de Oliveira, ACM Munhoz, BM Lemes... - Journal of ..., 2013 - Elsevier

*Abstract Ethnopharmacological relevance **Synadenium grantii** Hook f. has traditionally been used to treat various neoplastic diseases in southern Brazil. Aim of study Evaluation of the antitumoural potential of **Synadenium grantii** latex against B16F10 melanoma cell.*

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[\[PDF\] acqpubs.org](#)

[\[PDF\] Two New Phorbol-Type Diterpene Esters from *Synadenium grantii* Hook F. Leaves.](#)

EM Hassan, [M Mohammed](#)... - Records of Natural ..., 2012 - acgpubs.org

*Two new phorbol-type diterpene esters have been isolated from the chloroform extract of the leaves of **Synadenium grantii** Hook F. and identified as 3, 4, 12, 13-tetraacetylphorbol-20-phenylacetate and 4-deoxyphorbol-12, 13-ditiglate for which the trivial names Synagrantol*

[Citado por 22 Artículos relacionados Las 12 versiones](#)

[Major skin-irritant principle from **synadenium grantii**](#)

[AD Kinghorn](#) - Journal of pharmaceutical sciences, 1980 - Wiley Online Library

*EXPERIMENTAL Plant Material-**Synadenium grantii** Hook. f. (Euphorbiaceae), propagated from a cutting', was used as the source of latex². Extraction and Fractionation-Dried latex (19.9 g) was extracted at room temperature with six 100-ml portions of acetone*

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Anti-ulcer activity [scielo.br](#)

[Anti-ulcer activity of **Synadenium grantii** latex](#)

LLG Costa, VC David, R Pinto, BR Minozzo... - Revista Brasileira de ..., 2012 - SciELO Brasil

*ABSTRACT. **Synadenium grantii** Hook f., Euphorbiaceae, is popularly known as leitossinha or janaúba. The diluted ... **Synadenium grantii** Hook f. is a medicinal plant popularly known in southern Brazil as leitossinha and janaúba. In folk ...*

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[Purification and characterization of acetylcholinesterase isozymes from the latex of **Synadenium grantii** Hook, f](#)

T Govindappa, L Govardhan... - Indian journal of ..., 1987 - eprints-bangaloreuniversity.in

*Three acetylcholinesterase isoenzymes were purified from **S. grantii** latex by a combination of acetone fractionation, CM- Sephadex C- 50 chromatog., Sephadex G- 200 gel filtration, and PE- Cellulose chromatog.*

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[\[PDF\] researchgate.net](#)

[\[PDF\] Chemical and pharmacological investigation of the stem bark of **Synadenium grantii**](#)

ACM Munhoz, BR Minozzo, LS Cruz, TL Oliveira... - Planta ..., 2014 - researchgate.net

Several inflammatory in- juries [4]. Previous pharmacological investiga- tions have described the potential of some Syna- denium species such as antitumoral and antian- giogenic [5], antiparasitic [6], anti-inflammatory, and antiasthmatic [2, 7].

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[Anthocyanins with unusual furanose sugar \(apiose\) from leaves of **Synadenium**](#)

[grantii \(Euphorbiaceae\)](#)

ØM Andersen, [M Jordheim](#), R Byamukama, A Mbabazi... - Phytochemistry, 2010 - Elsevier

... β -xylopyranoside), cyanidin 3-O-(2''-(5'''-(E-caffeoyl)- β -apiofuranosyl)- β -xylopyranoside) and cyanidin 3-O-(2''-(5'''-(E-feroyl)- β -apiofuranosyl)- β -xylopyranoside) were isolated from leaves of African milk bush, (**Synadenium grantii Hook**, Euphorbiaceae) together with the ...

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[Antiproliferative Effect of **Synadenium grantii Hook** f. stems \(Euphorbiaceae\) and a Rare Phorbol Diterpene Ester](#)

A Campos, [DB Vendramini-Costa](#)... - ... journal of toxicology, 2016 - journals.sagepub.com

Synadenium grantii is frequently used for the treatment of various diseases such as allergies, gastric disorders, and especially cancer. The aim of this study was to evaluate the possible antiproliferative potential of the methanol extract, fractions, and pure compounds.

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[Purification and characterization of a 34-kDa, heat stable glycoprotein from **Synadenium grantii** latex: action on human fibrinogen and fibrin clot](#)

[R Rajesh, A Nataraju, CDR Gowda](#), BM Frey, FJ Frey... - Biochimie, 2006 - Elsevier

Purification and characterization of a 34-kDa, heat stable glycoprotein from **Synadenium grantii** latex: action on human fibrinogen and fibrin clot ... We report purification and characterization of a glycoprotein from **Synadenium grantii** latex with human fibrinolytic activity.

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[Extraction of **Synadenium grantii Hook** f. using conventional solvents and supercritical CO₂+ ethanol](#)

AR Guedes, ARC de Souza, RCT Barbi... - The Journal of ..., 2020 - Elsevier

Synadenium grantii extracts were obtained by employing two different extraction techniques: supercritical CO₂ with ethanol as solvent (scCO₂+ EtOH) and Soxhlet with different solvents. Extractions were evaluated according to antioxidant capacity, extract compositions.

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[Purification and characterisation of a carboxylesterase from the latex of **Synadenium grantii Hook**. 'f'](#)

T Govindappa, L Govardhan, PS Jyothy... - Journal of ..., 1987 - Springer

Printed in India. Purification and characterisation of a carboxylesterase from the latex of

Synadenium grantii Hook, 'f' ... The plant **Synadenium grantii Hook** 'f'; belongs to the family of Euphorbiaceae. It secretes a milky-white latex on breaking the twigs, which is highly toxic

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[Tigliane-Type Diterpene Esters from **Synadenium grantii**, 5](#)

R Bagavathi, B Sorg, E Hecker - Planta medica, 1988 - thieme-connect.com

Abstract; From the latex of **Synadenium grantii Hook** F. (Euphorbiaceae) were isolated by chromatographic methods five diterpene 12,13-diesters of the tigliane-type parent alcohols 4-deoxyphorbol (1a), 4,20-dideoxy-5u-hydroxyphorbol (2a) and 20-deoxy-5u-hydroxyphorbol.

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[African milkbush \(**Synadenium grantii Hook**, f.\): ethnopharmacological, chemical and morpho-anatomical aspects.](#)

MR Duarte, I Jurgensen - Drug plants I, 2010 - cabdirect.org

see more details, also known as the spurge family, include members widely distributed in tropical and subtropical areas, with diversified vegetative features, laticiferous or non-laticiferous, and especially rich in alkaloid and terpenoid compounds. These metabolites are ...

[Citado por 2 Artículos relacionados](#)

[Effect of **Synadenium grantii** and its isolated compound on dysmenorrhea behavior model in mice](#)

FW da Rocha Jesuino, JP Reis, JCP Whitaker... - ..., 2019 - Springer

Abstract. Objective. This study aimed to evaluate the effects of the methanol extract of **Synadenium grantii Hook** f. stems and its main isolated compound Query3,4,12,13-tetraacetylforbol-20-phenylacetate (1) on experimental dysmenorrhea in mice.

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[Differential erythrocyte agglutination pattern in normal and cancer patients with **Synadenium grantii** root \(**Hook** f\) lectin](#)

PP Durgawale, PS Shukla, SD Sontakke... - Indian Journal of Clinical ..., 2001 - Springer

In the present study the property of lectin agglutination in blood on normal and different cancer patients has been observed. The purified **Synadenium grantii** root lectin was non blood group specific and its utility as a diagnostic tool in malignancy was studied.

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[Letalidade do extrato de **Synadenium grantii Hook**, F.\(Euphorbiaceae\) frente a caramujos *Biomphalaria glabrata* Say, 1818 \(Gastropoda, Planorbidae\)](#)

DB Hartmann, RA Marim, YL da Silva... - Arquivos de Ciências ..., 2011 - revistas.unipar.br

Resumo No Brasil, o caramujo Biomphalaria glabrata Say, 1818 (Gastropoda, Planorbidae) atua como principal vetor hospedeiro intermediário do helminto trematódeo Schistosoma mansoni (Schistosomatidae), agente etiológico da esquistossomose. O combate deste ...

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[\[HTML\] imedicalpublisher.com](#)

[\[HTML\] Identification of macroelements and microelements in the leaves of the **Synadenium grantii Hook** used as medicinal plant in the Brazil](#)

ID de Souza, ALA de Arruda... - International ..., 2017 - imedicalpublisher.com

Abstract Introduction: The **Synadenium grantii Hook** species is a medicinal plant of the Euphorbiaceae family and is popularly known in the Midwest regions of Brazil as leitossinha or janaúba. All the parts of **Synadenium grantii Hook** as stem, latex, leaves and flowers are ...

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[Evidence of fibrinolytic protease in the latex of **Synadenium grantii Hook**^f](#)

CD Dayanand, NK Murthy - International Journal of Biotechnology & ..., 2010 - go.gale.com

Enzymes catalyze the process of proteolysis are proteases, they are wide spread in nature, distributed in plant lattices, microorganisms, animals and humans. They perform various biological functions.

[Citado por 1 Artículos relacionados](#)

[\[PDF\] researchgate.net](#)

[\[PDF\] GC/MS analysis of sesquiterpenes in **Synadenium grantii**](#)

AAM Dawidar, [EM Keshk](#), HH Saad... - Mansoura J. Chem ..., 2011 - researchgate.net

*When the stems of many members including **Synadenium grantii Hook**. f. are cut, exude a milky sap (white latex) which has an unpleasant taste and is toxic when ingested in significant quantities [Judd et al., (1999)] ... Plant material: **Synadenium grantii Hook** ...*

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[ntitumoral and antiangiogenic activity of **Synadenium umbellatum** Pax](#)

IAL Nogueira, ABB Leão, [MS Vieira](#), PL Benfica... - Journal of ..., 2008 - Elsevier

Synadenium umbellatum (SU) Pax (synonyms: *Euphorbia umbellata* and **Synadenium grantii Hook**), a traditional medicinal plant in the Midwestern region of Brazil, is used to treat several diseases, mainly cancer (Ortêncio, 1997)

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[\[HTML\] scielo.br](#)

[\[HTML\] Angiogenic activity of **Synadenium umbellatum** Pax latex](#)

[PR Melo-Reis, LS Andrade, CB Silva... - Brazilian Journal of ..., 2010 - SciELO Brasil](#)

*Studies carried out with **Synadenium grantii Hook** showed the presence of toxic substances and proteolytic enzymes in its latex (Govindappa et al., 1987, Jäger et al., 1996; Menonn et al., 2002)*

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[HTML] [Assessment of the mutagenic and antimutagenic activity of **Synadenium umbellatum** Pax latex by micronucleus test in mice](#)

[PR Melo-Reis, LSA Bezerra, M Vale... - Brazilian Journal of ..., 2011 - SciELO Brasil](#)

***Synadenium umbellatum** Pax (Euphorbiaceae) (synonyms: *Euphorbia umbellata* and **Synadenium grantii Hook**), popularly known as "cola-nota", "avelós", "milagrosa", and "cancerola", is a medicinal plant that grows in tropical regions, both in the American and African continents*

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[PDF] [semanticscholar.org](#)

[PDF] [Eritrodermia secundaria a planta productora de látex \(**Synadenium grantii**\)](#)

[PC Docampo, S Cabrerizo... - Archivos ..., 2010 - pdfs.semanticscholar.org](#)

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[PDF] [scielo.br](#)

[PDF] [Role of **Synadenium grantii** latex proteases in nematicidal activity on Meloidogyne incognita and Panagrellus redivivus](#)

[EH Gomes, FEF Soares, DC Souza, LT Lima... - Brazilian Journal of ..., 2019 - SciELO Brasil](#)

[Citado por 6 Artículos relacionados Las 11 versiones](#)

[PDF] [iec.gov.br](#)

[Avaliação do potencial citotóxico e mutagênico/genotóxico do látex de janaúba \(**Synadenium grantii Hook** f., Euphorbiaceae\)](#)

[JF do Nascimento Fernandes... - ... Pan-Amazônica de ..., 2018 - revista.iec.gov.br](#)

*OBJETIVO: Avaliar a mutagenicidade/genotoxicidade e citotoxicidade in vivo do látex de janaúba (**Synadenium grantii Hook** f., Euphorbiaceae). MATERIAIS E MÉTODOS: O látex foi diluído em água destilada e, utilizando o teste de *Allium cepa* (cebola), foi feita a medição ...*

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[Screening fitoquímico e estudo biológico de **Synadenium grantii Hook** f.\(Euphorbiaceae\)](#)

[LLG Costa - 2011 - tede2.uepg.br](#)

RESUMO A espécie **Synadenium grantii Hook.** f. é uma planta da família Euphorbiaceae, sendo conhecida popularmente como cega-olho, leitossinha, janaúba, cola-nota e outros. Há muitos anos é utilizada sob a forma de preparado do látex diluído (18 gotas/1 litro de água) ...

[Citado por 1 Artículos relacionados](#)

[Lethality of **Synadenium grantii Hook.** f.\(Euphorbiaceae\) extract to snails *Biomphalaria glabrata* Say, 1818 \(Gastropoda, Planorbidae\).](#)

DB Hartmann, RA Marim, YL da Silva... - Arquivos de Ciências ..., 2011 - cabdirect.org

A way of reducing transmission risk of schistosomiasis is the combat of this host with molluscicide substances. In the search for new natural products to control this vector, the present study tested the extracts of some exotic plant species considered toxic ...

[\[PDF\] 189.125.155.35](#)

[Synadenium grantii eo câncer de mama/Synadenium grantii and Breast cancer](#)

MM Martins, AP Lucarelli, JS Oliveira... - Arquivos Médicos dos ..., 2017 - 189.125.155.35

... species.. 2014 J Ethnopharmacol; 151(1):733-9. 7. Oliveira TL, Munhoz AC, Lemes BM, Minozzo BR, Nepel A, Barison A, et al. Antitumoural effect of **Synadenium grantii Hook** f. (Euphorbiaceae) látex. J Ethnopharmacol. 2013 ...

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[ESTUDO FITOQUÍMICO E AVALIAÇÃO ANTITUMORAL DO LÁTEX DE **Synadenium grantii Hook.** f.\(Euphorbiaceae\)](#)

TL Oliveira - 2013 - tede2.uepg.br

RESUMO A espécie **Synadenium grantii Hook.** f. é uma planta pertencente a família Euphorbiaceae, sendo conhecida popularmente como cega-olho, leitossinha, janaúba, cola-nota e outros. Seu látex tem sido usado tradicionalmente na região dos Campos Gerais na ...

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