

Brucea javanica

Simaroubaceae · Brucea · Sapindales · Magnoliopsida

WIRKUNG

Antitumorwirkungen durch Immunkorrektur, Antiinflammation und Mikrobiotikummodulation; Hauptkomponenten sind Tetrazyklische Triterpenequassinoiden

WUCHS

Shrub

STANDORT

offenen Gebieten, Sekundärwald und manchmal auf Sanddünen

ERNTEZEIT

- Teil: Herbst

INHALTSSTOFFE

- Quassinoid compounds called bruceolides, Canthin-6-one, yadanziolide b, brusatol, 5-methoxycanthin-6-one, 11-hydroxycanthin-6-one, bruceine d, bruceantin, vanillin, carvone, syringaresinol, flavonoids, fatty acids

ÄTHERISCHE ÖLE

- methyl
(1r,2r,6r,8s,13s,14s,17s)-10,15,16-trihydroxy-9,13-dimethyl-3-[(3-methylbut-2-enoyl)oxy]-4,11-dioxo-5,18-dioxapentacyclo[12.5.0.0^{1,6}.0^{2,17}.0^{8,13}]nonadec-9-ene-17-carboxylate
- methyl
(1r,2s,3r,6r,13s,15r,17s)-3-[(2e)-4-(acetyloxy)-3,4-dimethylpent-2-enoyl]oxy}-15,16-dihydroxy-9,13-dimethyl-4,10-dioxo-11-[(2s,3r,4s,5s,6r)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-5,18-dioxapentacyclo[12.5.0.0^{1,6}.0^{2,17}.0^{8,13}]nonadec-11-ene-17-carboxylate
- methyl
(1r,2s,3r,6r,8s,13s,14r,15r,16s)-3-(benzoyloxy)-15,16-dihydroxy-9,13-dimethyl-4,10-dioxo-11-[(2s,3r,4s,5s,6r)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-5,18-dioxapentacyclo[12.5.0.0^{1,6}.0^{2,17}.0^{8,13}]nonadec-11-ene-17-carboxylate
- methyl
(1r,2s,3r,6r,8s,9s,13s,14r,15r,16s,17s)-3-[(2e)-3,4-dimethylpent-2-enoyl]oxy}-15,16-dihydroxy-9,13-dimethyl-4,10-dioxo-11-[(3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-5,18-dioxapentacyclo[12.5.0.0^{1,6}.0^{2,17}.0^{8,13}]nonadec-11-ene-17-carboxylate
- methyl
(1r,2s,3r,6r,8s,9s,13s,14r,15r,16s)-3-[(2e)-3,4-dimethylpent-2-enoyl]oxy}-15,16-dihydroxy-9,13-dimethyl-4,10-dioxo-11-[(2s,3r,4s,5s,6r)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-5,18-dioxapentacyclo[12.5.0.0^{1,6}.0^{2,17}.0^{8,13}]nonadec-11-ene-17-carboxylate
- methyl
3-[[4-(acetyloxy)-3,4-dimethylpent-2-enoyl]oxy}-11,15,16-trihydroxy-9,13-dimethyl-4,10-dioxo-5,18-dioxapentacyclo[12.5.0.0^{1,6}.0^{2,17}.0^{8,13}]nonadeca-8,11-diene-17-carboxylate
- methyl
3-(acetyloxy)-10,15,16-trihydroxy-9,13-dimethyl-4,11-dioxo-5,18-dioxapentacyclo[12.5.0.0^{1,6}.0^{2,17}.0^{8,13}]nonadec-9-ene-17-carboxylate
- methyl
(1r,3r,8r,13s,14r,15r,16s,17s)-3-(acetyloxy)-10,15,16-trihydroxy-9,13-dimethyl-4,11-dioxo-5,18-dioxapentacyclo[12.5.0.0^{1,6}.0^{2,17}.0^{8,13}]nonadec-9-ene-17-carboxylate
- methyl
(1r,2s,6r,8s,9s,13s,14s,15r)-3-[(2e)-3,4-dimethylpent-2-enoyl]oxy}-15,16-dihydroxy-9,13-dimethyl-4,12-dioxo-11-[(2s,3r,4s,5s,6r)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-5,18-dioxapentacyclo[12.5.

0.0^{1,6,02,17,08,13}]nonadec-10-ene-17-carboxylate

(1r,2r,3r,6r,8s,12s,13s,14r,15r,16s,17r)-2,3,12,15,16-pentahydroxy-17-(hydroxymethyl)-9,13-dimethyl-5,18-dioxapentacyclo[12.5.0.0^{1,6,02,17,08,13}]nonadec-9-ene-4,11-dione

• yadanziolide b

(1r,2s,3r,6r,8s,13s,14r,15r,16s)-3-{[(2e)-4-(acetyloxy)-3,4-dimethylpent-2-enoyl]oxy}-15,16-dihydroxy-9,13-dimethyl-4,10-dioxo-11-{[(2s,3r,4s,5s,6r)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-5,18-dioxapentacyclo[12.5.0.0^{1,6,02,17,08,13}]nonadec-11-ene-17-carboxylate

(1r,2s,3r,6r,8s,9s,13s,14s,15r,16s,17s)-3-{[(2e)-3,4-dimethylpent-2-enoyl]oxy}-15,16-dihydroxy-9,13-dimethyl-4,12-dioxo-11-{[(2s,3r,4s,5s,6r)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-5,18-dioxapentacyclo[12.5.0.0^{1,6,02,17,08,13}]nonadec-10-ene-17-carboxylate

3-{[(2e)-3,4-dimethylpent-2-enoyl]oxy}-15,16-dihydroxy-9,13-dimethyl-4,12-dioxo-11-{[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-5,18-dioxapentacyclo[12.5.0.0^{1,6,02,17,08,13}]nonadec-10-ene-17-carboxylate

(1r,2r,3r,6r,8s,12s,13s,14r,15r,16s,17s)-2,3,12,15,16-pentahydroxy-9,13,17-trimethyl-5,18-dioxapentacyclo[12.5.0.0^{1,6,02,17,08,13}]nonadec-9-ene-4,11-dione

SICHERHEIT UND WECHSELWIRKUNGEN

GIFTIGKEIT

mittel

GIFTIGE TEILE

- Frucht
- Samen

VERGIFTUNGSZEICHEN

Die Frucht fñhrt Quassinoide (Bruceosid A/B, Yadanziosid F). GRUPPENAUSSAGE zur Stoffklasse: Quassinoide hemmen die Proteinbiosynthese; im Tierversuch war der Methanolauszug fuer Maeuse toedlich (PMID 2082013). Zu erwarten sind Uebelkeit, Erbrechen und Durchfall, bei hoeherer Aufnahme Leberbelastung. Fuer den Menschen liegt kein Vergiftungsbericht vor — die Angabe leitet sich aus der Stoffklasse und dem Tierversuch ab.

WECHSELWIRKUNGEN

- Typ: NIE_kombinieren · Hinweis: Brucea javanica (Yadanzi) sollte nicht mit anderen Kräutern kombiniert werden, da kontraindizierte Kombinationen existieren. · Pflanze latein: ... · Pflanze deutsch: ...
- Typ: NIE_kombinieren · Hinweis: Brucea javanica ist giftig und sollte nicht mit anderen Medikamenten kombiniert werden, insbesondere nicht bei Magenblutungen und Leberschäden. · Pflanze latein: ... · Pflanze deutsch: ...
- Typ: synergistisch · Hinweis: Brucea javanica Öl (YDZ) kombiniert gut mit Capecitabine oder S-1 in der Behandlung von fortgeschrittenem Gastruskrebs. · Pflanze latein: ... · Pflanze deutsch: ...
- Typ: synergistisch · Hinweis: BJO emulsion injection und BJO soft capsule werden gemeinsam mit Chemotherapie für Patienten mit Schwerstkrankheiten eingesetzt, um Nebenwirkungen zu mindern und Lebensqualität zu verbessern. · Pflanze latein: ... · Pflanze deutsch: ...

QUELLEN

- Typ: wikipedia_en · Url: https://en.wikipedia.org/wiki/Brucea_javanica · Titel: Brucea javanica
- Typ: wikipedia_en · Url: https://en.wikipedia.org/wiki/Brucea_javanica · Titel: Brucea javanica

- Typ: pfaf · Url: <https://pfaf.org/user/Plant.aspx?LatinName=Brucea javanica> · Titel: PFAF — Brucea javanica
- Typ: web · Url: <https://pmc.ncbi.nlm.nih.gov/articles/PMC12143954/> · Titel: Mechanisms Underlying the Therapeutic Effects of Brucea javanica in...
- Typ: web · Url: <https://pmc.ncbi.nlm.nih.gov/articles/PMC3540955/> · Titel: Chemical components, pharmacological properties, and nanoparticulate delivery systems of Brucea javanica - PMC
- Typ: web · Url: <https://dailymed.nlm.nih.gov/dailymed/lookup.cfm?setid=4eeee5b0-2c06-dedd-e063-6294a90a6665&version=1> · Titel: DailyMed - FAST-ACTING WART REMOVER (bruceajavanicafruit...)
- Typ: web · Url: <https://www.sciencedirect.com/science/article/pii/S2667142522000938> · Titel: A critical review: anti-cancer effects of Brucea javanica and the mechanisms - ScienceDirect
- Typ: web · Url: <https://www.nature.com/articles/srep03719> · Titel: Network Understanding of Herb Medicine via Rapid Identification of Ingredient-Target Interactions | Scientific Reports
- Typ: web · Url: <https://www.frontiersin.org/journals/pharmacology/articles/10.3389/fphar.2022.853119/full> · Titel: Frontiers | Major Constituents From Brucea javanica and Their Pharmacological Actions
- Typ: web · Url: <https://www.bristolbotanicals.co.uk/pr-869> · Titel: Ya Dan Zi concentrated powder (Bruceajavanica) 5:1 - Bristol...
- Typ: web · Url: <https://www.dovepress.com/enhanced-gastric-therapeutic-effects-of-brucea-javanica-oil-and-its-ga-peer-reviewed-fulltext-article-DDDT> · Titel: Enhanced gastric therapeutic effects of Bruceajavanica oil and its ga
- Typ: web · Url: <https://www.sagewomanherbs.com/brucia-javanica-fruit-tincture.html> · Titel: Brucea Javanica fruit Tincture
- Typ: web · Url: <https://kratom.org/guides/mitragyna-javanica/> · Titel: What Is Mitragyna Javanica? How Does This Kratom... - Kratom.org
- Typ: web · Url: <https://tcr.amegroups.org/article/view/35463> · Titel: Bruceajavanica oil emulsion suppresses tumor growth in human...
- Typ: web · Url: <https://synapse.patsnap.com/article/what-are-the-side-effects-of-brucea-javanica-seed-oil> · Titel: What are the side effects of Brucea Javanica seed Oil?
- Typ: web · Url: <https://www.ovid.com/journals/pmsc/fulltext/10.1002/prm2.12155~efficacy-and-safety-of-brucea-javanica-a-oil-soft-capsules> · Titel: Efficacy and safety of Brucea javanica oil soft capsules combined with oral chemotherapy for maintenance therapy in advanced gastric cancer
- Typ: web · Url: https://journal.waocp.org/article_29963_47475887b07e53b3d786fb9597db9632.pdf · Titel: RESEARCH ARTICLE Safety of Brucea javanica and ...
- Typ: lotus · Url: <https://lotus.naturalproducts.net/search/simple/Brucea%20javanica> · Titel: LOTUS — Brucea javanica
- Typ: web · Url: <https://www.tmrjournals.com/public/articlePDF/20201219/db86af7f23aae8e1c9606729ff6caac8.pdf> · Titel: TraditionalMedicineResearch
- Typ: web · Url: <https://antropocene.it/en/2023/01/28/brucea-javanica-2/> · Titel: Bruceajavanica: Systematics, Etymology, Habitat, Cultivation ..
- Typ: web · Url: <https://phytochem.nal.usda.gov/ethnobotanical-plant-brucea-javanica> · Titel: Ethnobotanical Plant Bruceajavanica | Dr. Duke's Phytochemical and...
- Typ: web · Url: <https://pubmed.ncbi.nlm.nih.gov/35370639/> · Titel: Major Constituents From Bruceajavanica and Their Pharmacological...
- Typ: web · Url: <https://www.labeyond.com/personal-care-and-cosmetic-ingredients/essential-oil-ingredients/plant-extract-brucea-javanica-oil.html> · Titel: ChinaPlant Extract Brucea Javanica Oil Manufacturers Suppliers...

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- Typ: web · Url: <https://ar.iiarjournals.org/content/40/9/4969> · Titel: BruceajavanicaIncreases Survival and Enhances Gemcitabine...
 - Typ: web · Url: https://en.wikipedia.org/wiki/Brucea_javanica · Titel: Brucea javanica - Wikipedia
 - Typ: web · Url: https://link.springer.com/rwe/10.1007/978-3-030-45597-2_205-1 · Titel: Brucea javanica (L.) Merr. Simaroubaceae | Springer Nature Link
 - Typ: web · Url: <https://www.frontiersin.org/journals/pharmacology/articles/10.3389/fphar.2023.1317620/full> · Titel: Frontiers | A review of Brucea javanica: metabolites, pharmacology and clinical application
 - Typ: web · Url: <https://www.benthamscience.com/article/56222> · Titel: Phytochemical and Biological Activities of an AnticancerPlant...
 - Typ: web · Url: <https://cb.imsc.res.in/imppat/therapeutics/Brucea+javanica> · Titel: IMPPAT | IMPPAT: IndianMedicinalPlants, Phytochemistry And...
 - Typ: web · Url: https://www.researchgate.net/publication/257072901_Phytochemical_and_Biological_Activities_of_an_Anticancer_Plant_Medicine_Brucea_javanica · Titel: Phytochemical and Biological Activities of an AnticancerPlant...