


Volume 33 Number 3 - May 2017

# Chemistry of Natural Compounds

ЖУРНАЛ ОРГАНИЧЕСКОГО СОЕДИНЕНИЯ,  
(Khimiya Prirodnykh Soedinenii)

Translated from Russian

 Springer

ISSN 1070-3763 (print)  
ISSN 1608-2931 (online)

## (–)-AMPELOPSIN F, DIMERSTILBENE COMPOUND FROM *Dryobalanops oblongifolia* AND ANTIMALARIAL ACTIVITY TEST

Indriani,<sup>1,4</sup> Yoshiaki Takaya,<sup>2</sup> N. N. T. Puspaningsih,<sup>3\*</sup>  
and N. S. Aminah<sup>3\*</sup>

The Dipterocarpaceae (dipterocarp) is one of a large family comprising 16 genera, about 600 species of which are widely distributed (76%) in Malaysia and Indonesia. *Dryobalanops* comprises a small number of species. This genus is locally named *kayu kapur* [1, 2]. As other genus in Dipterocarpaceae, *Dryobalanops* has been known to be a rich source of phenolic compounds, especially stilbene oligomers [3–6] but there has never been a report on their antimalarial activity.

Previous studies have identified stilbene oligomers from *Dryobalanops oblongifolia* Dyer, namely (–)-ampelopsin A, a compound of dimer stilbenoid, and two compounds of trimer stilbenoid, namely *cis*- and *trans*-diptoindonesin B [3, 4]. This paper reports on a compound of dimer stilbene, (–)-ampelopsin F, from the acetone extract of the tree bark of *D. oblongifolia*. Test of its antimalarial activity showed an IC<sub>50</sub> value of 0.001 µg/mL, which makes it promising as an antimalarial compound.

The structure of (–)-ampelopsin F (**1**) was determined based on physical data and spectroscopic data, including UV, MS, NMR, 2D NMR, and also by comparison with published data. The antimalarial activity test was carried out according to the method of Trager and Jensen [7].

The melting point was determined on a micro melting-point apparatus, UV spectra was measured using a UV-Vis Shimadzu spectrometer in MeOH, and <sup>1</sup>H and <sup>13</sup>C NMR spectra were recorder on a JEOL J-500 spectrometer operating at 500 MHz (<sup>1</sup>H) and 125 MHz (<sup>13</sup>C) using TMS as an internal standard. Optical rotatory was measured using a PerkinElmer 341 polarimeter. Gravitation column chromatography (GCC) was carried out using Merck Si gel 60 (70–200 mesh), vacuum liquid chromatography (VLC) and radial chromatography using Merck Si gel 60 GF<sub>254</sub>, and thin-layer chromatography (TLC) using precoated Si gel plates (Merck kieselgel 60 F<sub>254</sub> 0.25 mm). Solvents used in this research were of analytical and technical grade and were distilled before use.

The tree bark of *D. oblongifolia* Dyer was obtained from Gunung Mali, Tempunak, Sintang, West Kalimantan, in December 2012. The specimen was identified at Biological Research Center, LIPI, Bogor, Indonesia, and a voucher specimen has been deposited at the herbarium.

The powdered tree bark of *Dryobalanops oblongifolia* (5 kg) was macerated with acetone for 2 × 24 h and then concentrated under reduced pressure to give a gummy brownish extract. The extract was divided into acetone–diethyl ether soluble and insoluble fractions. The acetone–diethyl ether soluble fraction (48 g) was fractionated using VLC (*n*-hexane–ethyl acetate, increasing polarity) to give four major fractions A–D. From TLC analysis, fraction D (3.2 g) was chosen for further analysis. Fraction D was GCC refractionated repeatedly using *n*-hexane–ethyl acetate 5:5 – ethyl acetate 100% to yield fractions D1–D3. Fraction D1, on repeated purification using radial chromatography with chloroform–methanol (9:1), yielded compound **1** (14.8 mg).

Compound **1** was obtained as an amorphous brown solid, mp 220–222°C (dec), [α]<sub>D</sub><sup>25</sup> –2°. The molecular formula, C<sub>28</sub>H<sub>22</sub>O<sub>6</sub>, of compound **1** was established based on HR-FAB-MS (*m/z* 454.1416 [M]<sup>+</sup>), corresponding to a resveratrol dimer.

---

1) Doctoral Student of Mathematic and Natural Sciences, Faculty of Science and Technology, Universitas Airlangga, Kampus C UNAIR, Jl. Mulyorejo, Surabaya, 60115, East Java, Indonesia; 2) Faculty of Pharmacy, Meijo University, 468-8503, Tempaku Nagoya, Japan; 3) Department of Chemistry, Faculty of Science and Technology, Faculty of Science and Technology, Universitas Airlangga, Kampus C UNAIR, Jl. Mulyorejo, Surabaya, 60115, East Java, Indonesia, e-mail: nanik\_sa2000@yahoo.com; 4) Department of Chemistry, Universitas Tadulako, Jalan Soekarno Hatta Tondo, 94118, Palu, Indonesia. Published in *Khimiya Prirodnykh Soedinenii*, No. 3, May–June, 2017, pp. 474–475. Original article submitted August 24, 2015.

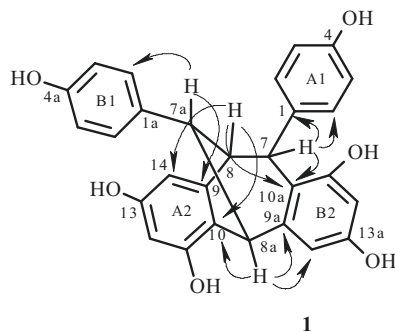


Fig. 1. Structure of compound **1** and HMBC correlations.

The UV spectra of compound **1** showed absorption at 220 and 282 nm, typical for oligomeric stilbene chromophores. The  $^{13}\text{C}$  NMR spectra of compound **1** showed 22 distinct signals, which represented 28 atoms of carbon. The  $^1\text{H}$  NMR spectra of compound **1** exhibited four signals of an *ortho*-coupled aromatic hydrogen at  $\delta$  7.02, 6.72, 6.69, and 6.50 (each 2H, d), indicating the presence of two units of 4-hydroxyphenyl. Four signals of a *meta*-coupled aromatic hydrogen at  $\delta$  6.38, 6.36, 6.08, and 6.01 (each 1H, d) indicated the presence of two units of 1,2-substituted-3,5-dihydroxyphenyl. Four signals of an aliphatic methane hydrogen singlet appeared at  $\delta$  4.08, 4.03, 3.56, and 3.23. The chemical shift values of the four aliphatic methine hydrogens indicated that this structure did not form an oxygen heterocyclic ring. The four methine hydrogens appearing as a singlet signal showed that all the dihedral angles of the vicinal hydrogen approach  $90^\circ$ , so that the small values of the vicinal coupling constants prevented the four methine hydrogens did not undergo splitting [8, 9]. The relation of inter-units shown in compound **1** was confirmed by analysis of  $^1\text{H}$ - $^{13}\text{C}$  long-range couplings on the HMBC spectrum (Fig. 1). The HMBC spectrum of compound **1** showed some correlations between H-7/C-8, H-7/C-10a, H-8/C-10, H-8/C-10a, H-8a/C-10a, H-8a/C-10, and H-8a/C-9a; it showed that rings A<sub>2</sub> and B<sub>2</sub> were connected by C-7, C-8, and C-8a. Moreover, the correlations between H-7a/C-9, H-8a/C-8, H-8/C-8a, H-8/C-10a, and H-7/C-7a proved that C-7a formed a bicyclo ring between C-8 and C-8a. The aliphatic methine hydrogens at  $\delta$  3.56, 4.03, and 4.08 were long-range coupled with the aromatic hydrogens at  $\delta$  6.69, 6.36, and 7.02, respectively. In addition, the methine hydrogen at  $\delta$  3.23 with another methine hydrogen at  $\delta$  4.03 displayed *w*-relationships of the proton system [8, 9].

Based on the analysis of NMR and 2D NMR and comparison of the NMR spectroscopic data between compound **1** and the published data of (+)-ampelopsin F that was isolated from *Ampelopsis brevipedunculata* [9], it was concluded that this compound has the (-)-ampelopsin F structure.

**(-)-Ampelopsin F (1)**, amorphous brown solid, mp 220–222°C (dec);  $[\alpha]_{\text{D}}^{25} -2^\circ$  (*c* 0.1; MeOH). UV spectrum (MeOH,  $\lambda_{\text{max}}$ , nm): 220 and 282. HR-FAB-MS  $m/z$   $[\text{M}]^+$  454.1416 (calcd for  $\text{C}_{28}\text{H}_{22}\text{O}_6$ , 454.1410).  $^1\text{H}$  NMR (500 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta$ , ppm, J/Hz): 7.02 (2H, d,  $J = 8.6$ , H-2, 6), 6.72 (2H, d,  $J = 6.9$ , H-3, 5), 6.69 (2H, d,  $J = 8.3$ , H-2a, 6a), 6.50 (2H, d,  $J = 6.7$ , H-3a, 5a), 6.38 (1H, d,  $J = 2$ , H-14), 6.36 (1H, d,  $J = 2.3$ , H-14a), 6.08 (1H, d,  $J = 2.6$ , H-12a), 6.01 (1H, d,  $J = 2$ , H-12), 4.08 (1H, s, H-7), 3.56 (1H, s, H-7a), and 3.23 (1H, s, H-8).  $^{13}\text{C}$  NMR (125 MHz,  $\text{CD}_3\text{OD}$ ,  $\delta$ , ppm): 158.5 (C-13), 158.1 (C-11a), 157.2 (C-13a), 156.1 (C-4, 4a), 153.2 (C-11), 147.9 (C-9a), 147.5 (C-9), 139.1 (C-1), 136.1 (C-1a), 130.1 (C-2, 6), 129.4 (C-2a, 6a), 128.7 (C-10), 115.8 (C-3, 5), 115.6 (C-3a, 5a), 114.2 (C-10a), 105.8 (C-14a), 104.4 (C-14), 102.0 (C-12, 12a), 59.3 (C-8), 50.9 (C-7a), 49.9 (C-8a), 47.6 (C-7).

The antimalarial activity of compound **1**, expressed as  $\text{IC}_{50}$ , is the sample concentration required to inhibit parasite growth by 50%. The antimalarial activity was tested by introducing a series of samples with different concentrations containing complete medium (RPMI 1640 medium with 10% serum O) + erythrocyte into microwell plates and then adding a suspension of *Plasmodium falciparum* (chloroquine sensitive strain, 3D7) [10]. Pyrimethamine was used as positive control. The percent average parasitemia and the percent average inhibition of parasite growth were determined by counting the amount of infected erythrocytes in every 1000 erythrocytes. The value of  $\text{IC}_{50}$  was obtained by analyzing the data of the antimalarial activity test result using probit analysis of the SPSS program.

The antimalarial activity test of (-)-ampelopsin F against *P. falciparum* gave an  $\text{IC}_{50}$  value of 0.001  $\mu\text{g}/\text{mL}$  (with pyrimethamine as a positive control,  $\text{IC}_{50}$  0.03  $\mu\text{g}/\text{mL}$ ). This result showed that (-)-ampelopsin F has promise as an antimalarial agent.

## ACKNOWLEDGMENT

We would like to thank the Directorate General of Higher Education of Indonesia for the “BPPDN” Scholarship, and the staff of the Biological Research Center, LIPI, Bogor, Indonesia for identification of the plant specimen.

## REFERENCES

1. Purwaningsih, *Biodiversitas*, **5** (2), (2004).
2. M. F. Newman, P. F. Burges, and T. C. Whitmore, *Manual of Dipterocarps Series (Sumatra, Kalimantan, Jawa to Nuigini)*, Prosea, Indonesia, Bogor, 1999, pp. 5–45.
3. N. S. Aminah, Y. M. Syah, E. H. Hakim, N. Aimi, M. Kitajima, H. Takayama, and S. A. Achmad, *Phytochemistry*, **63**, 913 (2003).
4. N. S. Aminah, Y. M. Syah, E. H. Hakim, N. Aimi, S. A. Achmad, and M. Niwa, *Indonesian J. Chem.*, **6** (1) (2006).
5. A. Wibowo, N. Ahmat, A. S. Hamzah, A. L. M. Low, S. A. S. Mohamad, H. Y. Khong, A. S. Sufian, N. Manshoor, and H. Takayama, *Fitoterapia*, **83**, 1569 (2012).
6. A. Wibowo, N. Ahmat, A. S. Hamzah, A. S. Sufian, N. H. Ismail, R. Ahmad, F. M. Jaafar, and H. Takayama, *Fitoterapia*, **82**, 676 (2011).
7. W. Trager and B. J. Jensen, *Continuous Culture of Plasmodium falciparum: Its Impact on Malaria Research*, PII, S0020-7519(97)00080-5 (1997).
8. Y. Oshima, Y. Ueno, K. Hisamichi, and M. Takeshita, *Tetrahedron*, **49** (26), 5801 (1993).
9. E. Breitmaier, *Structure Elucidation by NMR in Organic Chemistry*, John Wiley & Sons Ltd., England, 1995, pp. 31–46.
10. I. Zakaria, N. Ahmat, F. M. Jaafar, and A. Widyawaruyanti, *Fitoterapia*, **83**, 968 (2012).

**SJR**

Scimago Journal &amp; Country Rank

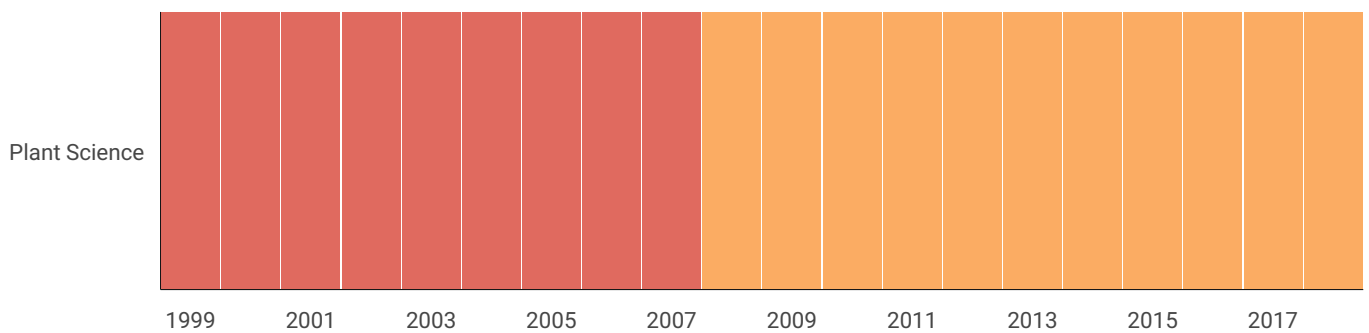
Enter Journal Title, ISSN or Publisher Name

[Home](#)[Journal Rankings](#)[Country Rankings](#)[Viz Tools](#)[Help](#)[About Us](#)

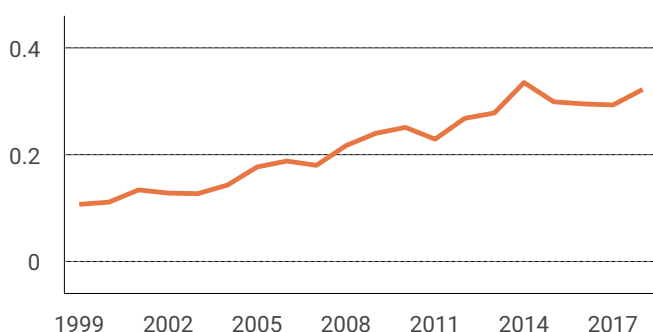
# Chemistry of Natural Compounds

<b>Country</b>	<a href="#">United States</a> - <a href="#">SIR Ranking of United States</a>	<h1>34</h1> H Index
<b>Subject Area and Category</b>	<a href="#">Agricultural and Biological Sciences</a> <a href="#">Plant Science</a>	
<b>Publisher</b>	<a href="#">Kluwer Academic/Plenum Publishers</a>	
<b>Publication type</b>	Journals	
<b>ISSN</b>	15738388, 00093130	
<b>Coverage</b>	1965-ongoing	
<b>Scope</b>	Chemistry of Natural Compounds publishes reviews and general articles about the structure of different classes of natural compounds, the chemical characteristics of botanical families, genus, and species, to establish the comparative laws and connection between physiological activity and the structure of substances.	
	<a href="#">Homepage</a>	
	<a href="#">Join the conversation about this journal</a>	

## Quartiles

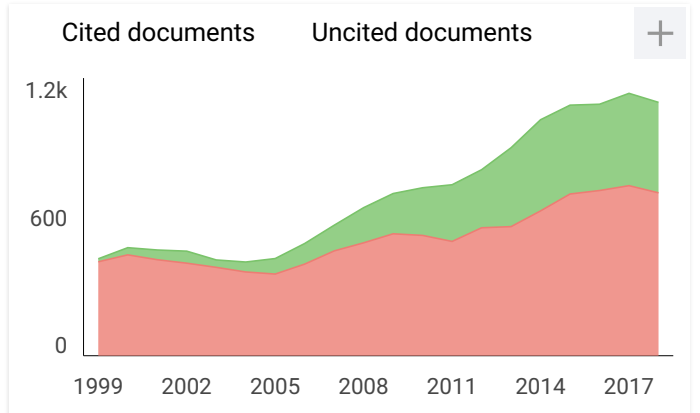
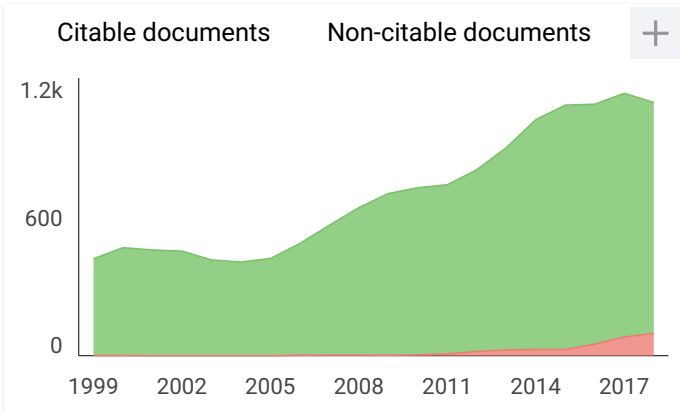
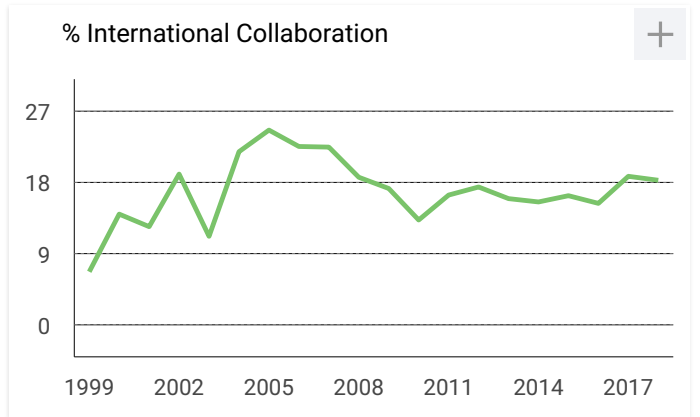
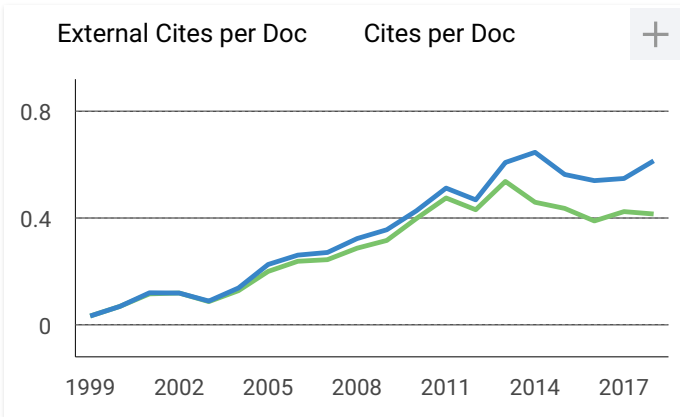
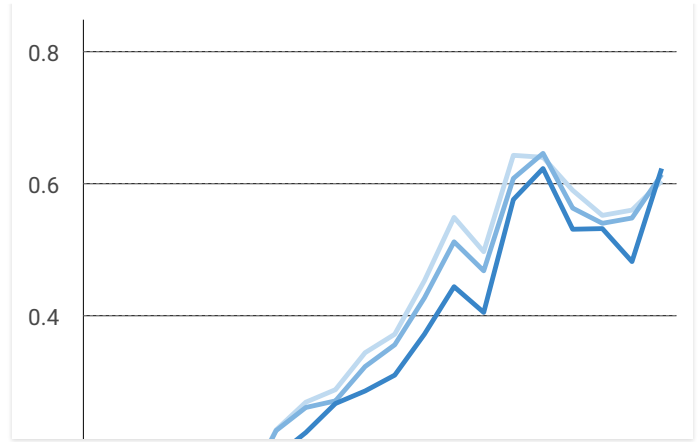
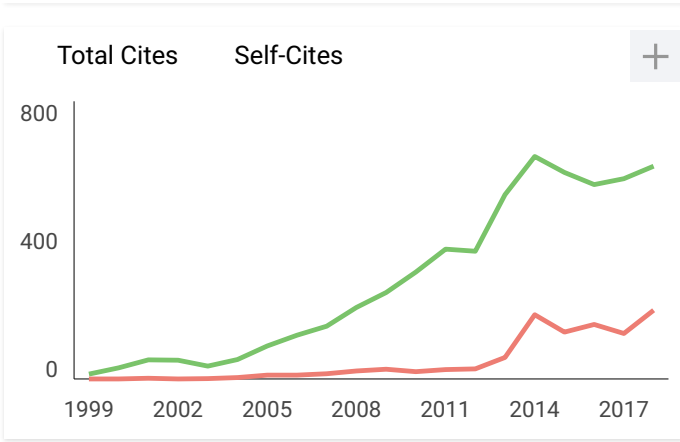


## SJR



## Citations per document





**Chemistry of Natural Compounds**

Q3 Plant Science  
best quartile

SJR 2018  
0.32

powered by scimagojr.com

← Show this widget in your own website

Just copy the code below and paste within your html code:

```
<a href="https://www.scimagojr.com/journalsearch.php?q=25815&tip=sid&clean=0" style="border: 1px solid #ccc; padding: 2px 5px; display: inline-block;">https://www.scimagojr.com/journalsearch.php?q=25815&tip=sid&clean=0
```

**Leave a comment**

Name

**Email**

(will not be published)

 I'm not a robot  
reCAPTCHA  
Privacy - Terms

Submit

The users of Scimago Journal & Country Rank have the possibility to dialogue through comments linked to a specific journal. The purpose is to have a forum in which general doubts about the processes of publication in the journal, experiences and other issues derived from the publication of papers are resolved. For topics on particular articles, maintain the dialogue through the usual channels with your editor.

Developed by:



Powered by:



Follow us on @ScimagoJR

Scimago Lab, Copyright 2007-2019. Data Source: Scopus®

**EST MODUS IN REBUS**  
Horatio (Satire 1,1,106)

[Skip to main content](#)

Advertisement

 Springer

[Search](#) 

- [Authors & Editors](#)
- [My account](#)

Menu

- [Authors & Editors](#)
- [My account](#)

You're seeing our new journal sites and we'd like your opinion, please [send feedback](#)



[Chemistry of Natural Compounds](#)

- [Journal home](#) >
- [Editors](#)

## Editors

### Editor-in-Chief

**Sh. Sh. Sagdullaev** – S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

### Secretary

**V. I. Vinogradova** – S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

### Editorial Board



**N. D. Abdullaev** – S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**Haji Akber Aisa** – Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Urumqi, Xinjiang, P. R. China

**S. M. Adekenov** – JSC International Research and Production Holding “Phytochemistry”, Karaganda, Republic of Kazakhstan

**Sh. S. Azimova** – S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**T. F. Aripov** – A. S. Sadykov Institute of the Bioorganic Chemistry, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**S. F. Aripova** – S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**K. Husnu Can Baser** – Near East University, Department of Pharmacognosy, Faculty of Pharmacy, Lefkosa (Nicosia), N. Cyprus

**S. O. Bachurin** – Institute of Physiologically Active Compounds, Russian Academy of Sciences, Moscow, Russia

**A. I. Miroshnikov** – M. M. Shemyakin and Yu. A. Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia

**Elmuradov B. Zh.** – S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**M. S. Yunusov** – Ufa Institute of Chemistry, Russian Academy of Sciences, Ufa, Russia

### **Editorial Advisory Board**

**S. D. Gusakova** – S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**B. T. Ibragimov** – A. S. Sadykov Institute of the Bioorganic Chemistry, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**V. G. Kartsev** – InterBioScreen Ltd., Moscow, Russia

**E. P. Kemertelidze** – I. Kutateladze Institute of Pharmacochimistry, Tbilisi State Medical University, Tbilisi, Georgia

**A. V. Kutchin** – Institute of Chemistry, Komi Scientific Center, Ural Branch, Russian Academy of Sciences, Syktyvkar, Russia

**A. M. Muzafarov** – A. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Moscow, Russia

**V. G. Nenajdenko** – M. V. Lomonosov Moscow State University, Moscow, Russia

**R. K. Rakhmanberdieva** – S. Yu. Yunusov Institute of the Chemistry of Plant Substances, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**S. Sh. Rashidova** – Institute of Polymers Chemistry and Physics, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**N. F. Salakhutdinov** – Novosibirsk Institute of Organic Chemistry Siberian Branch, Russian Academy of Sciences, Novosibirsk, Russia

**V. A. Stonik** – G. B. Elyakov Pacific Institute of Bioorganic Chemistry, Far-East Branch, Russian Academy of Sciences, Vladivostok, Russia

**A. S. Turaev** – A. S. Sadykov Institute of the Bioorganic Chemistry, Academy of Sciences of the Republic of Uzbekistan, Tashkent, Uzbekistan

**V. P. Khilya** – Taras Shevchenko Kiev National University, Kiev, Ukraine

**M. I. Choudhary** – International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan

**Xiaojiang Hao** – Kunming Institute of Botany, Yunnan, P. R. China

For other enquiries, please contact the Publishing Editor

## For authors

[Submission guidelines](#) [Ethics & disclosures](#) [Contact the journal](#)

Advertisement



Publish with us

[Authors & Editors](#)

[Journal authors](#)

[Publishing ethics](#)

[Open Access & Springer](#)

Discover content

[SpringerLink](#)

[Books A-Z](#)

[Journals A-Z](#)

[Video](#)

Other services

[Instructors](#)

[Librarians \(Springer Nature\)](#)

[Societies and Publishing Partners](#)

[Advertisers](#)

[Shop on Springer.com](#)

## About Springer

[About us](#)

[Help & Support](#)

[Contact us](#)

[Press releases](#)

[Impressum](#)

## Legal

[General term & conditions](#)

[Rights & permissions](#)

[Privacy](#)

[How we use cookies](#)

[Manage cookies](#)

[Accessibility](#)

## **SPRINGER NATURE**

© 2019 Springer Nature Switzerland AG. Part of [Springer Nature](#).

[Skip to main content](#)



*Chemistry of Natural Compounds*

*All Volumes & Issues*

ISSN: 0009-3130 (Print) 1573-8388 (Online)

## In this issue (60 articles)

1. OriginalPaper

### **Synthesis of Betulin Derivatives with an $\alpha,\beta$ -Alkenenitrile in a Five-Membered Ring A**

*A. V. Konyshva, I. A. Tolmacheva, D. V. Eroshenko...* Pages 497-500

2. OriginalPaper

### **A New Aporphine Alkaloid from *Aconitum carmichaelii***

*Xiang-dong Qin, Shu Yang, Yan Zhao, Yuan Gao, Fu-cai Ren...* Pages 501-503

3. OriginalPaper

### **Isoquinoline Alkaloids from *Michelia fuscata***

*H. T. Li, C. L. Kao, C. R. Tsai, W. J. Li, C. Y. Chen* Pages 504-507

4. OriginalPaper

### **Two New Isoquinoline Alkaloids from the Barks of *Cassia fistula* and Their Anti-Tobacco Mosaic Virus Activity**

*Ling Zhou, Li-Xuang Liu, Guo-Rong Yang, Huan-Huan Xing...* Pages 508-511

5. OriginalPaper

### **On Nitrogen Coordination in Vincadiformine-Type Alkaloids**

*Sh. M. Adizov, B. Tashkhodzhaev, V. P. Bruskov...* Pages 512-516

6. OriginalPaper

### **Synthesis of the Conjugate of Cytisine and Kojic Acid**

*O. I. Muzychuk, M. M. Garazd* Pages 517-518

7. OriginalPaper

### **Transformations of 6,7-difluoroquinoxaline with Indoles: Synthesis of Indole-Substituted 6,7-difluoroquinoxalines and Tris(indol-3-yl)methane Derivatives**

*Yu. A. Azev, O. S. Ermakova, M. A. Ezhikova, M. I. Kodess...* Pages 519-522

8. OriginalPaper

### **Synthesis of Benzoannelated Canthin-6-One Analogs**

*O. A. Sen'ko, A. G. Dybenko, M. M. Garazd, V. G. Kartsev* Pages 523-528

9. OriginalPaper

### **Total Synthesis of Cyclic Heptapeptide *Euryjanicins E***

*Yu-Lei Li, Xue-Cui Bao, Jia Wang, Xin-Xin Li, Shan Wang...* Pages 529-532

10. OriginalPaper

### **Isolation and Structural Characterization of Cellulose from Arctic Brown Algae**

*K. G. Bogolitsyn, D. V. Ovchinnikov, P. A. Kaplitsin...* Pages 533-537

11. BRIEF COMMUNICATIONS

### **Determination of the Fatty Acid Composition of *Amygdalus scoparia* Kernels from Iran Using Gas Chromatography-Mass Spectrometry**

Rouhollah Heydari, Mohammad Hosseini Pages 538-539

12. OriginalPaper

**Host-Plant Effect on the Chemical Constituents of *Cuscuta reflexa***

Shaheen Faizi, Muhammad Ali Versiani, Asma Kanwal... Pages 540-542

13. OriginalPaper

**Chemical Compounds Isolated from *Simira grazielae***

M. N. G. Sanches, D. S. A. Chaves, M. G. Carvalho... Pages 543-544

14. OriginalPaper

**Chemical Constituents of the Twigs of *Caesalpinia mimosoides***

Dongyang He, Ruijing Ma, Yuanping Li, Xunyun Yang... Pages 545-547

15. OriginalPaper

**Chemical Constituents of *Incarvillea compacta***

Jian-Qiang Zhao, Yan-Ming Wang, Jun Dang, Qi-Lan Wang... Pages 548-550

16. OriginalPaper

**Flavonoids of *Saxifraga umbellulata***

AiMei Yang, Songyao Ma, Rui Wu, Lin Yang, Qi Shang... Pages 551-552

17. OriginalPaper

**Bioactivity-Guided Fractionation of Antioxidative Constituents of *Ligustrum lucidum***

Liangliang Gao, Xiaoqian Liu, Chun Li, Zhimin Wang Pages 553-554

18. OriginalPaper

**Antiproliferative Prenylated Xanthenes from the Pericarps of *Garcinia mangostana***

You-Min Ying, Kai-Ming Yu, Tian-Song Lin, Lie-Feng Ma... Pages 555-556

19. OriginalPaper

**Chemical Constituents of *Capparis spinosa***

Dongbao Hu, Shen Zhang, Ming Li, Xianxue Wu Pages 557-558

20. OriginalPaper

**(-)-Ampelopsin F, Dimerstilbene Compound from *Dryobalanops oblongifolia* and Antimalarial Activity Test**

Indriani, Yoshiaki Takaya, N. N. T. Puspaningsih... Pages 559-561



Temukan pesan, dokumen, foto, atau orang



Awal

Tulis



- Email Masuk 999+
- Belum Dibaca
- Berbintang
- Draft 265
- Terkirim
- ▼ Lainnya
- Tampilan Sembunyikan
- Foto
- Dokumen
- Folder Sembunyikan
- + Folder Baru
- Drafts
- Sent Messa...



**Valentina I. Vinogradova** <cnc@icps.org.uz>  
 Kepada: nanik\_sa2000@yahoo.com

Rab, 19 Agt 2015 jam 10.47

Dear Dr. Nanik Siti Aminah,

Any contribution submitted to "Chemistry of Natural Compounds" Is not accepted without the "Consent to Publish".

Therefore, we request you to fill in the form of Consent to Publish (enclosed). All the authors, indicated in the article, must sign it. The signed form should be scanned and sent to Editorial Board by e-mail.

Also you should send your new paper!

Kind regards,  
 Responsible Secretary  
 Dr. V. I. Vinogradova

----- Original Message -----

**From:** [nanik siti aminah](#)  
**To:** [cnc@icps.org.uz](mailto:cnc@icps.org.uz)  
**Cc:** [Indri S3](#)  
**Sent:** Tuesday, August 18, 2015 9:52 PM  
**Subject:** Draft of Article for Chemistry of Natural compound

Dear  
 Dr V. Vinogradova  
 Editorial Board of Chemistry of Natural Compounds  
 77 Mirzo Ulugbek Street Tashkent 100170  
 Uzbekistan

Temukan pesan, dokumen, foto, atau orang



Awal

Tulis

← Kembali ↩️ ⏪ ⏩ 📧 Arsipkan 📁 Pindahkan 🗑️ Hapus 🛡️ Spam ⋮ ⏴ ⏵ 👤 📅 📧 ? ⚙️



nanik\_sitiaminah Dear Dr. v. vinogradova Editorial Board of ... Sen, 24 Agt 2015 jam 12.35



Valentina I. Vinogradova <cnc@icps.org.uz>

Rab, 26 Agt 2015 jam 10.19

Kepada: nanik\_sa2000@yahoo.com

Dear Authors,

Your article has been received by the editor of the journal "Khimiya Prirodnykh Soedinenii". Registration number is 347.15.

The decision about publishing your article will be made after the review in the meeting of Editorial Board.

Please, specify further registration number of your article.

Any contribution submitted to "Khimiya Prirodnykh Soedinenii" («Chemistry of Natural Compounds») is normally published within 14-18 months. Provided the manuscripts come within the scope of the journal.

Kind regards,  
Responsible Secretary  
Dr. V. I. Vinogradova

----- Original Message -----

**From:** [nanik\\_sitiaminah](#)

**To:** [Valentina I. Vinogradova](#) ; [Nanik Aminah](#) ; [Naniksa](#) ; [Indri S3](#) ; [Yoshiaki TAKAYA](#) ; [Yoshi Takaya](#) ; [Ni Nyoman Tri Puspaningsih](#) ; [Nyoman Puspaningsih](#)

**Sent:** Monday, August 24, 2015 9:55 AM

**Subject:** Draft Article for Chemistry Natural compounds and consent to publish

Dear  
Dr V. Vinogradova  
Editorial Board of Chemistry of Natural Compounds

- Email Masuk 999+
- Belum Dibaca
- Berbintang
- Draft 265
- Terkirim
- ↳ Lainnya
- Tampilan Sembunyikan
- 📷 Foto
- 📄 Dokumen
- Folder Sembunyikan
- + Folder Baru
- Drafts
- Sent Messa...

Temukan pesan, dokumen, foto, atau orang

nanik

Awal

Tulis

← Kembali ↩️ ⏪ ⏩ 📧 Arsipkan 📁 Pindahkan 🗑️ Hapus 🛡️ Spam ⋮

👤 📁 📧 ? ⚙️

- Email Masuk 999+
- Belum Dibaca
- Berbintang
- Draft 265
- Terkirim
- ↳ Lainnya

Tampilan Sembunyikan

- 📷 Foto
- 📄 Dokumen

Folder Sembunyikan

+ Folder Baru

- Drafts
- Sent Messa...



Valentina I. Vinogradova <cnc@icps.org.uz>  
Kepada: nanik\_sa2000@yahoo.com

Sen, 25 Jan 2016 jam 12.45 ★

Dear Indriani, Yoshiaki Takaya, N.N.TriPuspaningsih, N.S. Aminah,

Please find below the Reviewer's comments on your manuscript "**(-)-AMPELOPSIN F, DIMER STILBEN COMPOUND FROM *DRYOBALANOPS OBLONGIFOLIA DYER (DIPTEROCARPACEAE)* AND ANTIMALARIAL ACTIVITY TEST**" (347.15):

1. It is impossible to read by the reason of the fusion of words. **Please send correct paper as Word document (in RTF) - ONLY!**
2. Unclear the novelty of.
3. Reformat as a short message: remove the abstract, the NMR data give in the text, remove the structure of known substances and Table 2. Give the link to the original source.
4. Correct the spelling and stylistic mistakes.
5. Figure 2 should be left as Figure 1.

Yours sincerely,  
Responsible Secretary  
Dr. V.I. Vinogradova



nanik siti Aminah Mbak Indri, Berikut saya fowardkan bala: Sen, 25 Jan 2016 jam 15.00 ★



nanik siti Aminah Dear Dr. V.I. Vinogradova Thank you for y Sen, 25 Jan 2016 jam 15.03 ★



nanik siti Aminah Dear Dr. V.I. Vinogradova Attach fil 📎 Sen, 22 Feb 2016 jam 11.15 ★



nanik siti Aminah Dear Dr. V.I. Vinogradova Attach file, I se Sen, 22 Feb 2016 jam 11.15 ★





## 347.15; CNC 3-17

---

Dari: Valentina I. Vinogradova (cnc@icps.org.uz)

Kepada: nanik\_sa2000@yahoo.com; indri.2707@gmail.com; nyomantri@yahoo.com; ytakaya@meijo-u.ac.jp

Tanggal: Jumat, 10 Februari 2017 10.15 WIB

---

Dear Authors,

Indriani, Yoshiaki Takaya, N. N. T. Puspaningsih, N. S. Aminah,

We send you repeatedly the paper «(–)-Ampelopsin F, Dimerstilbene Compound from *Dryobalanops oblongifolia* and Antimalarial Activity Test» (347.15) for coordination (please, see attached file).

Your editing HRFABMS m/z: [M+H]<sup>+</sup> 454.1416 is not correct.

**Please note, that the corrections must be resubmitted within next day.**

Yours sincerely,  
Responsible Secretary  
Dr. V.I. Vinogradova

 347.pdf  
267.6kB

Temukan pesan, dokumen, foto, atau orang



Awal

Tulis



Email Masuk 999+

Belum Dibaca

Berbintang

Draft 265

Terkirim

↳ Lainnya

Tampilan Sembunyikan

Foto

Dokumen

Folder Sembunyikan

+ Folder Baru

Drafts

Sent Messa...



**Valentina I. Vinogradova** <cnc@icps.org.uz>  
Kepada: nanik\_sa2000@yahoo.com

Sen, 14 Mar 2016 jam 11.34

Dear Authors,

We confirm received of correct paper 347.15.

Best regards and wishes,  
Dr. V. I. Vinogradova

----- Original Message -----

From: "nanik siti Aminah" <nanik\_sa2000@yahoo.com>  
To: "Valentina I. Vinogradova" <cnc@icps.org.uz>  
Sent: Sunday, March 13, 2016 5:15 PM  
Subject: confirmation

Dear Dr. alentina I. Vinogradova

I send you email the revise of our article on February 22, 2016 as follows.

Did you received it.

Please give me information.

Thank you for your help and cooperation

Best Regards,  
Dr. Nanik Siti Aminah  
Associate Professor LABORATORY ORGANIC CHEMISTRY  
Department of Chemistry Faculty of Science and Technology

Temukan pesan, dokumen, foto, atau orang



Awal

Tulis

Kembali 
 


 Arsipkan 
 Pindahkan 
 Hapus 
 Spam

- Email Masuk 999+
- Belum Dibaca
- Berbintang
- Draft 265
- Terkirim
- ▼ Lainnya
- Tampilan Sembunyikan
- Foto
- Dokumen
- Folder Sembunyikan
- + Folder Baru
- Drafts
- Sent Messa...

● 347.15; CNC 2017 Yahoo/Email M... ★

● **Valentina I. Vinogradova** <cnc@icps.org.uz>  Sel, 18 Okt 2016 jam 19.36 ★  
**Kepada:** nanik siti Aminah

Dear Authors,  
 Indriani, Yoshiaki Takaya, N.N.TriPuspaningsih, N.S. Aminah,

We are planning to issue your article “(-)-Ampelopsin F, Dimerstilbene Compound from *Dryobalanops oblongifolia dyer* (Dipterocarpaceae) and Antimalarial Activity Test “ (347.15) in future issue of journal “*Khimiya Prirodnykh Soedinenii*” 2017.

Please confirm our letter.

Yours sincerely,  
 Responsible Secretary  
 Dr. V.I. Vinogradova

[Balas](#), [Balas ke Semua](#) atau [Teruskan](#)

Temukan pesan, dokumen, foto, atau orang



Awal

Tulis



Email Masuk 999+

Belum Dibaca

Berbintang

Draft 265

Terkirim

↳ Lainnya

Tampilan Sembunyikan

Foto

Dokumen

Folder Sembunyikan

+ Folder Baru

Drafts

Sent Messa...



Valentina I. Vinogradova <cnc@icps.org.uz>



Kam, 2 Feb 2017 jam 18.33



Kepada: nanik sitiaminah

Dear Authors,  
Indriani, Yoshiaki Takaya, N. N. TriPuspaningsih, N. S. Aminah

Your paper «(-)-Ampelopsin F, Dimerstilbene Compound from *Dryobalanops oblongifolia* dyer and Antimalarial Activity Test» (347.15) will be published in journal "Khimiya Prirodnikh Soedinenii" in No. 3, 2017.

Now, we send you the paper corrected by Editorial Board for coordination (please, see attached file). Corrections should be made in our version of the paper using the program Adobe Professional in order we can find it in the text (please, mark all your corrections by red color) or you can send us all corrections as following:  
page number, paragraph number, line number, then indicate word with mistake, and provide corrected word. If you do not find mistakes, please, inform us about absence of mistakes in your paper (For example: We have not found any mistakes in our paper).

**Remarks:**

You are strongly advised to check up carefully all data of NMR spectra of compound.

Please, attentively check up structures of compounds and figures very much, because we re-typing all structures and figures by our style in any case!

Please check up and correct text indicated by yellow color in your manuscript.

We request you to pay your attention on the List of References.  
Please add vol., page in ref. 5.

**Please note, that the corrected manuscript must be resubmitted within next THREE days.**  
Thank you very in advance.

Temukan pesan, dokumen, foto, atau orang



Awal

Tulis

- ← Kembali
- ↶
- ↷
- ➡
- 📁 Arsipkan
- 📁 Pindahkan
- 🗑️ Hapus
- 🛡️ Spam
- ⋮
- ⌵
- 👤
- 📁
- 📄
- ?
- ⚙️

Email Masuk 999+

Belum Dibaca

Berbintang

Draft 265

Terkirim

↳ Lainnya

Tampilan Sembunyikan

🖼️ Foto

📄 Dokumen

Folder Sembunyikan

+ Folder Baru

Drafts

Sent Messa...

Surabaya  
 Office: Komplek Kampus C UNAIR  
 Jl. Mulyorejo Surabaya (60115)  
 East Java – Indonesia  
 Phone: +62 31 5936501, 5936502  
 Fax: +62 31 5936502  
 Mobile: 081330644448  
 Email: nanik\_sa2000@yahoo.com

> Tampilkan pesan asli



Valentina I. Vinogradova <cnc@icps.org.uz>

Sel, 7 Mar 2017 jam 10.43 ★

Kepada: nanik sitiaminah

Dear Dr. Nanik Siti Aminah,

Your paper 347.15 has already been published in Russian version of Chemistry of Natural Compounds, No.3 (2017). At the moment we are working on English version of this issue, which will be published online later (May-June).

Yours sincerely,  
 Responsible Secretary  
 Dr. V.I. Vinogradova

> Tampilkan pesan asli