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*Molbank* has been launched to preserve and exploit molecular diversity of both chemical information and chemical substances.

The scope of *Molbank* is reflected by its three journal sections:

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[10a,11,11-Trimethyl-10a,11-dihydro-8H-benzo\[e\]imidazo\[1,2-a\]indol-9\(10H\)-one \(1422-8599/2017/2/M944\)](#)

by

[Elena Ščerbetkaitė](https://sciprofiles.com/profile/author/RTc4UGJPa3JJQ3N3QWtkK3BBRzNDZldNY2I2VVVJZiAZQVZ2WGI1MFRXND0=) (<https://sciprofiles.com/profile/author/RTc4UGJPa3JJQ3N3QWtkK3BBRzNDZldNY2I2VVVJZiAZQVZ2WGI1MFRXND0=>), [Rasa Tamulienė](https://sciprofiles.com/profile/author/enhYUjNrQ04yY0VOSmdJYkNwMlh6ZGRBbFRSWUhURzdCQ3NQajZWSTIzWT0=) (<https://sciprofiles.com/profile/author/enhYUjNrQ04yY0VOSmdJYkNwMlh6ZGRBbFRSWUhURzdCQ3NQajZWSTIzWT0=>), [Aurimas Bieliauskas](https://sciprofiles.com/profile/author/WnRCZGRmUW03THVQMWkvN0FPNS9GTzdMSEFqckNacEVha25HeFN6a2Q0cz0=) (<https://sciprofiles.com/profile/author/WnRCZGRmUW03THVQMWkvN0FPNS9GTzdMSEFqckNacEVha25HeFN6a2Q0cz0=>) and [Algirdas Šačkus](https://sciprofiles.com/profile/351452) (<https://sciprofiles.com/profile/351452>)

*Molbank* **2017**, *2017*(2), M944; <https://doi.org/10.3390/M944> (<https://doi.org/10.3390/M944>) - 22 Jun 2017

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**Abstract** The alkylation of 1,1,2-trimethyl-1H-benzo[e]indole with 2-chloroacetamide, followed by work-up of the reaction mixture with a base and the subsequent treatment of a crude product with acetic acid gives 10a,11,11-trimethyl-10a,11-dihydro-8H-benzo[e]imidazo[1,2-a]indol-9(10H)-one. The structure [...] [Read more](#).

(This article belongs to the Section [Organic Synthesis \(journal/molbank/sections/organic\\_synthesis\\_molbank\)](#))

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[N-\(4-Nitrophenyl\)-2-\[2-\[3-\(4-chlorophenyl\)-5-\[4-\(propan-2-yl\)phenyl\]-4,5-dihydro-1H-pyrazol-1-yl\]-4-oxo-4,5-dihydro-1,3-thiazol-5-yl\]acetamide \(1422-8599/2017/2/M943\)](#)

by

[Vinutha V. Salian](https://sciprofiles.com/profile/author/d2NPMkpWVWNDaVdSRXBKTKxDUDQ4UmxITDBDcHkxOWZPR0pMMzBJTy9Ccz0=) (<https://sciprofiles.com/profile/author/d2NPMkpWVWNDaVdSRXBKTKxDUDQ4UmxITDBDcHkxOWZPR0pMMzBJTy9Ccz0=>), [Badiadka Narayana](https://sciprofiles.com/profile/15012) (<https://sciprofiles.com/profile/15012>) and [Balladka K. Sarojini](https://sciprofiles.com/profile/361925) (<https://sciprofiles.com/profile/361925>)

*Molbank* **2017**, *2017*(2), M943; <https://doi.org/10.3390/M943> (<https://doi.org/10.3390/M943>) - 10 Jun 2017

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**Abstract**

In the present investigation, the synthesis and spectroscopic characterization of *N*-(4-nitrophenyl)-2-[2-[3-(4-chlorophenyl)-5-[4-(propan-2-yl)phenyl]-4,5-dihydro-1H-pyrazol-1-yl]-4-oxo-4,5-dihydro-1,3-thiazol-5-yl]acetamide (**2**) is performed. The title compound (**2**) is synthesized by the reaction of 3-(4-chlorophenyl)-5-[4-(propan-2-yl)phenyl]-4,5-dihydro-1H-pyrazole-1-carbothioamide (**1**) with *N*-(4-nitrophenyl)maleimide. The cyclization of title compound is evidenced by FT-IR, NMR, and LCMS data. [Full article \(1422-8599/2017/2/M943\)](#)

(This article belongs to the Section [Organic Synthesis \(journal/molbank/sections/organic\\_synthesis\\_molbank\)](#))

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[Ethyl 7-Methyl-1-\(4-nitrophenyl\)-5-phenyl-3-\(thiophen-2-yl\)-1,5-dihydro-\[1,2,4\]triazolo\[4,3-a\]pyrimidine-6-carboxylate \(1422-8599/2017/2/M942\)](#)

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by [Sobhi M. Gomha](https://sciprofiles.com/profile/13594) (<https://sciprofiles.com/profile/13594>), [Zeinab A. Muhammad](https://sciprofiles.com/profile/221530) (<https://sciprofiles.com/profile/221530>) and

[Mastoura M. Edrees](https://sciprofiles.com/profile/28904) (<https://sciprofiles.com/profile/28904>)

*Molbank* **2017**, *2017*(2), M942; <https://doi.org/10.3390/M942> (<https://doi.org/10.3390/M942>) - 19 May 2017

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novel compound, ethyl 7-methyl-1-(4-nitrophenyl)-5-phenyl-3-(thiophen-2-yl)-1,5-dihydro[1,2,4]triazolo[4,3-a]pyrimidine-6-carboxylate (7) was synthesized by reaction of *N*-(4-nitrophenyl)thiophene-2-carbohydrazonoyl chloride (1) with ethyl 6-methyl-4-phenyl-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (2). The mechanism of the studied reaction is discussed and the assigned structure was confirmed by elemental [...]. [Read more.](#) (This article belongs to the Section [Organic Synthesis \(/journal/molbank/sections/organic\\_synthesis\\_molbank\)](#))

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### 7-Bromo-1-methyl-2-phenyl-1H-indole-3-carbonitrile (/1422-8599/2017/2/M941)

by [Rosanna Meine](https://sciprofiles.com/profile/253006) (https://sciprofiles.com/profile/253006) ,[Max Blech](https://sciprofiles.com/profile/author/OVp1eFNxTWt5cVIQcTZ0dmxWenJlBxVqcXNOc1U0SUJGZ2FQdmJkMEF0az0=) (https://sciprofiles.com/profile/author/OVp1eFNxTWt5cVIQcTZ0dmxWenJlBxVqcXNOc1U0SUJGZ2FQdmJkMEF0az0=) ,[Jens Lindhof](https://sciprofiles.com/profile/author/bHBnVEF2RktvbU1hcGp5QWisekPSNUkvVFZZQnBveGh6aHdqREs1MXVDYz0=) (https://sciprofiles.com/profile/author/bHBnVEF2RktvbU1hcGp5QWisekPSNUkvVFZZQnBveGh6aHdqREs1MXVDYz0=) and[Conrad Kunick](https://sciprofiles.com/profile/author/N3NQzVSVzB4K2RkL08vOWNzMVZpMjRQbEJOHozWXIaVHjpjSEVQUk5UZz0=) (https://sciprofiles.com/profile/author/N3NQzVSVzB4K2RkL08vOWNzMVZpMjRQbEJOHozWXIaVHjpjSEVQUk5UZz0=)*Molbank* 2017, 2017(2), M941; <https://doi.org/10.3390/M941> (https://doi.org/10.3390/M941) - 07 Apr 2017

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#### Abstract

The title compound was prepared by electrophilic aromatic substitution of 7-bromo-1-methyl-2-phenyl-1H-indole with NCTS (*N*-cyano-*N*-phenyl-*p*-toluenesulfonamide). The structural identity of the title compound was proven by elemental analysis and spectroscopic methods (IR, NMR, APCI-MS). Purity was assessed by two independent HPLC methods. [Full article \(/1422-8599/2017/2/M941\)](#)

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### 1-(4-[(Hexyloxy)methyl]pyridin-2-yl)ethanone (/1422-8599/2017/2/M940)

by [Florian Charrier](https://sciprofiles.com/profile/257982) (https://sciprofiles.com/profile/257982) , [Jérôme Husson](https://sciprofiles.com/profile/160544) (https://sciprofiles.com/profile/160544) and[Laurent Guyard](https://sciprofiles.com/profile/author/RXQ1ZU9hNmRGZ1E1RnJsL01SSmUyMIFIT3V2bWNscVRkZStGTzV2RFFQTT0=) (https://sciprofiles.com/profile/author/RXQ1ZU9hNmRGZ1E1RnJsL01SSmUyMIFIT3V2bWNscVRkZStGTzV2RFFQTT0=)*Molbank* 2017, 2017(2), M940; <https://doi.org/10.3390/M940> (https://doi.org/10.3390/M940) - 07 Apr 2017

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**Abstract** A new member of the 2-acetylpyridine family has been prepared and characterized. Its synthesis is a two-step process starting from a pyridyl-alcohol in which the ketone moiety is protected as a cyclic acetal. Alkylation of the alcohol followed by hydrolysis of the acetal [...]. [Read more.](#)

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### 4-Methoxy-3-(3-methylbut-2-en-1-yl)-7-[(3-methylbut-2-en-1-yl)oxy]quinolin-2(1H)-one from *Melicope Moluccana* T.G. Hartley (/1422-8599/2017/2/M939)

by [Mulyadi Tanjung](https://sciprofiles.com/profile/190848) (https://sciprofiles.com/profile/190848) , [Ratih Dewi Saputri](https://sciprofiles.com/profile/257183) (https://sciprofiles.com/profile/257183) ,[Ryan Ayub Wahjoedi](https://sciprofiles.com/profile/author/QU5kc0xWWUJ2LzE0M2N3eUtVdVptd29LSUw4dXmZbGo4M25LVmdBVGRQTT0=) (https://sciprofiles.com/profile/author/QU5kc0xWWUJ2LzE0M2N3eUtVdVptd29LSUw4dXmZbGo4M25LVmdBVGRQTT0=)and [Tjitjik Srie Tjahjandarie](https://sciprofiles.com/profile/159161) (https://sciprofiles.com/profile/159161)*Molbank* 2017, 2017(2), M939; <https://doi.org/10.3390/M939> (https://doi.org/10.3390/M939) - 07 Apr 2017

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#### Abstract

4-Methoxy-3-(3-methylbut-2-en-1-yl)-7-[(3-methylbut-2-en-1-yl)oxy]quinolin-2(1H)-one (1) was isolated from the leaves of *Melicope moluccana* T.G. Hartley. The chemical structure of 1 was elucidated using mainly UV, IR, HRESIMS, 1D and 2D-NMR spectroscopy. [Full article \(/1422-8599/2017/2/M939\)](#)

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### 4-({4-[(2E)-3-(2,5-Dimethoxyphenyl)prop-2-enoyl]phenyl}amino)-4-oxobutanoic Acid (/1422-8599/2017/2/M938)

by [Hery Suwito](https://sciprofiles.com/profile/87893) (https://sciprofiles.com/profile/87893) ,[Kautsar UI Haq](https://sciprofiles.com/profile/author/WEZXSwdUSjdKeXF5aE5zY1pibIE2ZDnsd21tUTdCWih5RUZHNTU3d1FwMD0=) (https://sciprofiles.com/profile/author/WEZXSwdUSjdKeXF5aE5zY1pibIE2ZDnsd21tUTdCWih5RUZHNTU3d1FwMD0=) ,[Nia Nur Dinia Rahmah](https://sciprofiles.com/profile/author/SWw1VUFOaFBvWnNGRmgyVEZnMExHUWixMU4wREhZbGZmOvpheDFUVHdq) (https://sciprofiles.com/profile/author/SWw1VUFOaFBvWnNGRmgyVEZnMExHUWixMU4wREhZbGZmOvpheDFUVHdq)and [Alfinda Novi Kristanti](https://sciprofiles.com/profile/author/NXo1ak1Cc2RTdXNQL2xLWwXF6ajA2TG9BMm9kaFpZevVKbHphY0J3cTBMbz0=) (https://sciprofiles.com/profile/author/NXo1ak1Cc2RTdXNQL2xLWwXF6ajA2TG9BMm9kaFpZevVKbHphY0J3cTBMbz0=)and [Ni Nyoman Tri Puspaningsih](https://sciprofiles.com/profile/873433) (https://sciprofiles.com/profile/873433)*Molbank* 2017, 2017(2), M938; <https://doi.org/10.3390/M938> (https://doi.org/10.3390/M938) - 05 Apr 2017

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**Abstract** A dimethoxy amide chalcone has been synthesized in a two-step reaction. First, an amine chalcone was synthesized by the reaction of 4'-aminoacetophenone and 2,5-dimethoxybenzaldehyde using 40% NaOH solution as a catalyst in ethanol, and then followed by amidation through the reaction of the [...]. [Read more.](#)

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**Triphenylphosphine-(*N,N*-dimethyldithiocarbamate)-gold(I) Methanol Solvate** (/1422-8599/2017/2/M937)

by [Nicolas Bélanger-Desmarais](https://sciprofiles.com/profile/253563) (https://sciprofiles.com/profile/253563) and [Christian Reber](https://sciprofiles.com/profile/168634) (https://sciprofiles.com/profile/168634)

*Molbank* **2017**, *2017*(2), M937; <https://doi.org/10.3390/M937> (https://doi.org/10.3390/M937) - 30 Mar 2017

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**Abstract** Abstract: A gold(I) complex with a triphenylphosphine and a monodentate *N,N*-dimethyldithiocarbamate ligand was synthesized and characterized by Raman spectroscopy and single crystal X-ray diffraction. DFT calculations (Gaussian 09, PBE1PBE/Lan12dz) were undertaken for a single complex in the gas phase. The [...] [Read more](#).

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**Interests:** medicinal heterocyclic chemistry; pyridazines; carbazoles; nitrogen heteroarenes

\* former Editor-in-Chief from 2007 up to 30 September 2019; The Editorial Board of *Molecules* also governs Molbank. Former Editor-in-Chief: up to 2001 Dr. Luc Patiny; in 2002 Prof. Dr. Bruce A. Hathaway; in 2003 Reto Mueller ([organic-chemistry.org](http://organic-chemistry.org))

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**Interests:** synthesis; synthetic use of flash vacuum pyrolysis; heterocyclic chemistry; reactive intermediates; organophosphorus; organosulfur; heavier main group chemistry



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**Interests:** free radical organic and polymer chemistry; heterocyclic and medicinal chemistry

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**Interests:** asymmetric synthesis methodology; free radical reactions; organometallic reagents; natural product synthesis; asymmetric catalysis



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**Interests:** new syntheses of high value added molecules through catalytic assembly of simple units; innovative syntheses of heterocyclic molecules of pharmaceutical, agrochemical, or applicative interest; carbonylation chemistry; use of non-conventional solvents in organic synthesis; synthesis and semi-synthesis of bioactive compounds of pharmaceutical or agrochemical interest; synthesis of new materials for advanced applications; extraction, characterization, and evaluation of the biological activity of bioactive principles from natural matrices

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**Interests:** heterocyclic chemistry; sulfur-nitrogen heterocycles; synthetic methods; azaacenes; zwitterionic acenes; stable organic radicals; biologically active heterocycles; isothiazoles; 1,2,3-dithiazoles; 1,2,6-thiadiazines; 1,2,4-benzotriazines

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**Interests:** innovative syntheses of high value molecules through catalytic process; new syntheses of heterocyclic compounds of pharmaceutical interest; carbonylation catalyzed chemistry; application of unconventional solvents in advanced organic synthesis; synthesis of novel materials for advanced applications

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**Interests:** organic synthesis and methodology; radical reactions; organocatalysis; asymmetric catalysis; photochemistry; aryne chemistry

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**Interests:** heterocyclic chemistry; multicomponent reactions; catalysis; medicinal chemistry; synthetic methodology

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**Interests:** marine natural products; marine chemical ecology; bioactive substances from cultured marine invertebrates

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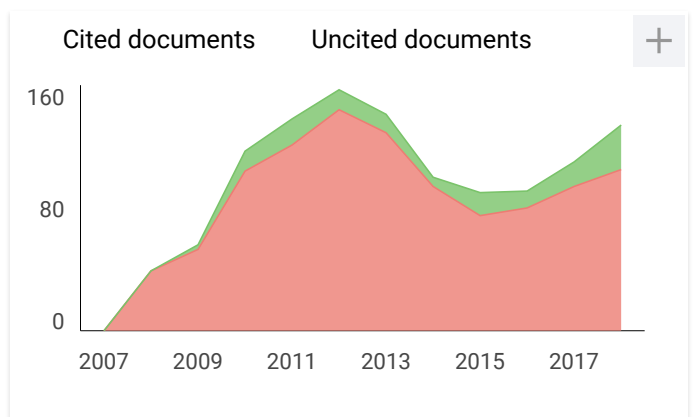
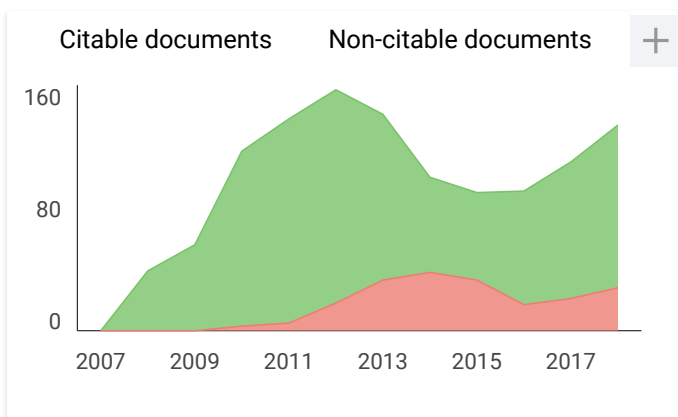
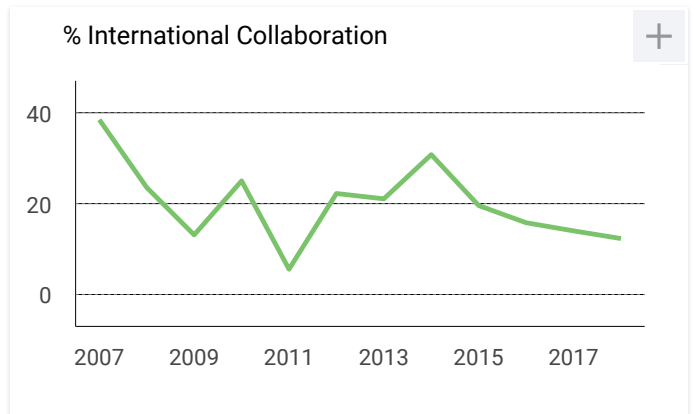
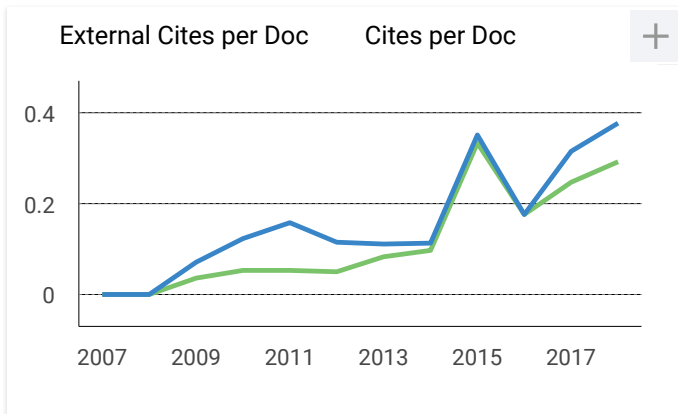
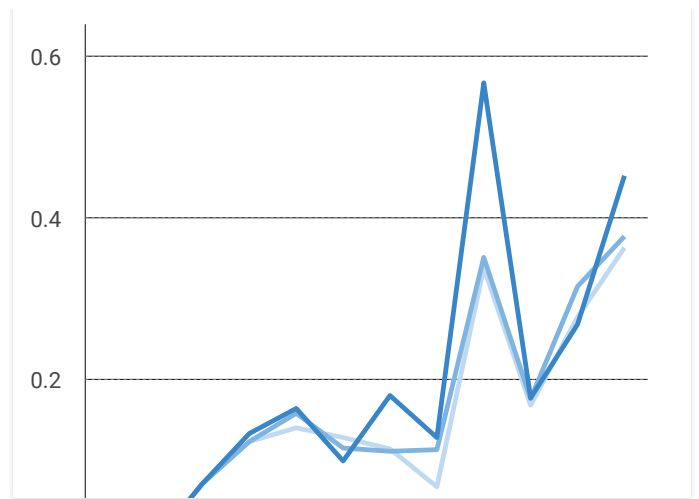
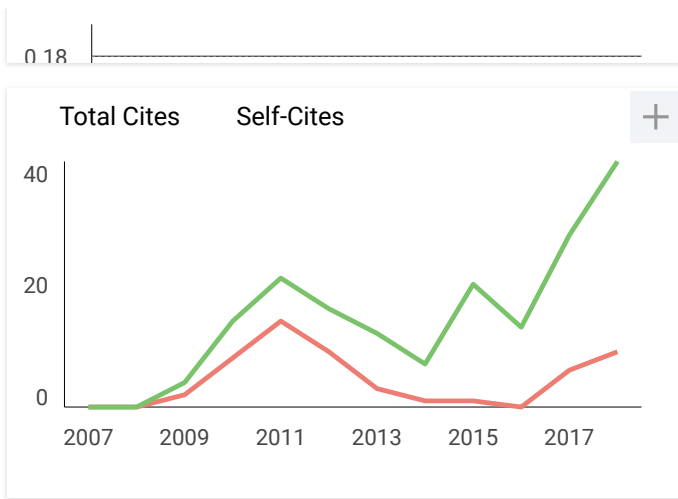
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Short Note

# 4-({4-[(2E)-3-(2,5-Dimethoxyphenyl)prop-2-enoyl]phenyl}amino)-4-oxobutanoic Acid

Hery Suwito \*, Kautsar Ul Haq, Nia Nur Dinia Rahmah, Alfinda Novi Kristanti and Ni Nyoman Tri Puspaningsih

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Academic Editor: Norbert Haider

Received: 14 March 2017; Accepted: 29 March 2017; Published: 5 April 2017

**Abstract:** A dimethoxy amide chalcone has been synthesized in a two-step reaction. First, an amine chalcone was synthesized by the reaction of 4'-aminoacetophenone and 2,5-dimethoxybenzaldehyde using 40% NaOH solution as a catalyst in ethanol, and then followed by amidation through the reaction of the formed chalcone and succinic anhydride. The structure of the target compound was established by FTIR, HR-MS, <sup>1</sup>H- and <sup>13</sup>C-NMR, and 2D-NMR spectral analysis.

**Keywords:** amino chalcones; amide chalcones; succinic anhydride

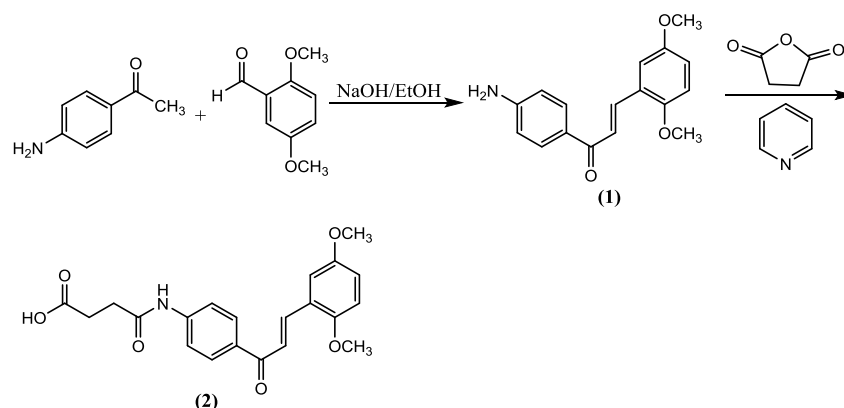
## 1. Introduction

Diaryl- $\alpha,\beta$ -unsaturated ketones are the biogenic precursor in flavonoid biosynthesis [1] and are known as chalcones. Due to their wide spectrum of pharmacological properties, such as antioxidant [2], antihepatotoxic [3], neuroprotective [4], antibacterial [5–8], inhibitor of topoisomerase I [9], antimalarial [10,11], and anticancer [12], chalcones attract many researchers to develop efficient synthetic methods and to gain various structural variations of chalcones unavailable in nature. In general, chalcones are synthesized by Claisen-Schmidt condensation.

Previously we have reported the antimicrobial activity of a series of methoxy amino chalcones [13,14]. In order to enhance their efficacy by increasing their solubility and slow release, we converted the basic amino chalcones into amide derivatives through a reaction with succinic anhydride. Herein we report a new amide methoxy chalcone prepared from a methoxy amino chalcone and succinic anhydride.

## 2. Results

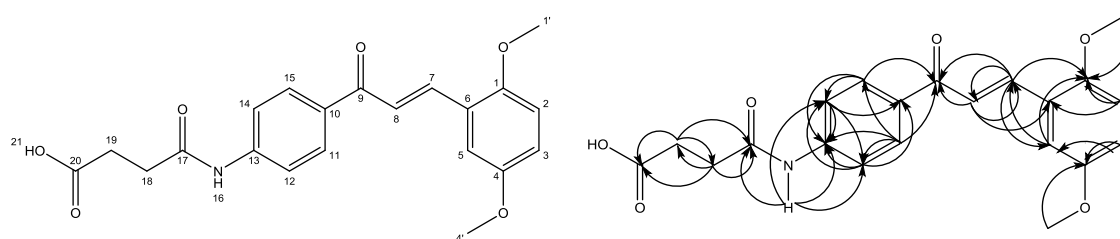
The title compound was synthesized in a two-step reaction. The first step was the synthesis of a methoxy amino chalcone (1) employing the Claisen-Schmidt reaction, then followed by the amidation of (1) through the reaction of (1) with succinic anhydride in ethanol using pyridine as a catalyst, as shown in Scheme 1.



**Scheme 1.** Synthesis pathway of the target compound.

Firstly, the purity of the product was analyzed by determining its melting point and thin layer chromatography. The structure of the product was then characterized based on spectroscopic evidence and the results are displayed below. The product is assumed to exist in the *E* configuration, since the  $^1\text{H-NMR}$  spectrum of the olefinic protons showed a coupling constant of 15.7 Hz indicative of the *E* configuration. The structure of the title compound and its HMBC correlations is displayed in Figure 1, whereas the chemical shifts and its HMBC correlations is tabulated in Table 1. The complete spectra are attached in supplementary materials.

(*E*)-4-((3-(3-(2,5-Dimethoxyphenyl)acryloyl)phenyl)amino)-4-oxobutanoic acid (**2**): orange solid (266 mg; 75%), m.p. 188–190 °C,  $R_f = 0.61$  (ethanol), HR-MS  $[\text{M} + \text{H}]^+$  calculated for  $\text{C}_{21}\text{H}_{21}\text{NO}_6$  384.1447, found 384.1446; IR (KBr,  $\text{cm}^{-1}$ ) 3448 (br, -OH carboxylic), 3340 (str, -NH- amide), 1720 (str, C=O aliphatic carboxylic acid), 1697 (str, C=O amide), 1639 (C=O conjugated), 1593 (str, C=C conjugated), and 1261 ( $\text{C}_{\text{alkyl}}\text{-O-C}_{\text{aryl}}$ );  $^1\text{H-NMR}$  (400 MHz,  $\text{DMSO-}d_6$ )  $\delta$  (ppm) 12.15 (s, 1H), 10.32 (s, 1H), 8.10 (d,  $J = 8.7$  Hz, 2H), 7.97 (d,  $J = 15.7$  Hz, 1H), 7.86 (d,  $J = 15.7$  Hz, 1H), 7.73 (d,  $J = 8.7$  Hz, 2H), 7.51 (d,  $J = 2.3$  Hz, 1H), 7.08–6.92 (m, 2H), 3.80 (s, 3H), 3.76 (s, 3H), 2.58 (t,  $J = 6.2$  Hz, 2H), 2.50 (t,  $J = 6.0$  Hz, 2H).  $^{13}\text{C-NMR}$  (101 MHz,  $\text{DMSO-}d_6$ )  $\delta$  (ppm) 188.05, 174.33, 171.35, 153.77, 153.16, 144.19, 138.06, 132.64, 130.46, 124.08, 122.36, 118.73, 118.57, 113.53, 112.93, 56.66, 56.22, 31.71, 29.13.



**Figure 1.** Structure, numbering and HMBC correlations of the title compound.

The analysis of the correlation spectrum (2D NMR; HMBC) is tabulated in the Table 1 below.

**Table 1.**  $^1\text{H}$ ,  $^{13}\text{C}$  chemical shifts and HMBC correlations of the title compound.

| Atom           | Chemical Shift (ppm) | HMBC |
|----------------|----------------------|------|
| 1 C            | 153.16               |      |
| 1' C           | 56.66                |      |
| H <sub>3</sub> | 3.80                 | 1    |
| 2 C            | 113.53               |      |
| H              | 6.99                 | 1, 6 |

Table 1. Cont.

| Atom           | Chemical Shift (ppm) | HMBC           |
|----------------|----------------------|----------------|
| 3 C            | 118.57               |                |
| H              | 6.99                 | 4, 5           |
| 4 C            | 153.77               |                |
| 4' C           | 56.22                |                |
| H <sub>3</sub> | 3.76                 | 4              |
| 5 C            | 112.93               |                |
| H              | 7.51                 | 7, 3, 1        |
| 6 C            | 124.08               |                |
| 7 C            | 138.06               |                |
| H              | 7.97                 | 9, 5, 1, 8     |
| 8 C            | 122.36               |                |
| H              | 7.86                 | 9, 7, 6        |
| 9 C            | 188.05               |                |
| 10 C           | 132.64               |                |
| 11 C           | 130.46               |                |
| H              | 8.10                 | 9, 12, 15, 13  |
| 12 C           | 118.73               |                |
| H              | 7.73                 | 14, 10, 13     |
| 13 C           | 144.19               |                |
| 14 C           | 118.73               |                |
| H              | 7.73                 | 12, 10, 13     |
| 15 C           | 130.46               |                |
| H              | 8.10                 | 9, 14, 11, 13  |
| 16 H           | 10.32                | 12, 14, 13, 17 |
| 17 C           | 171.35               |                |
| 18 C           | 29.13                |                |
| H <sub>2</sub> | 2.50                 | 19, 17, 20     |
| 19 C           | 31.71                |                |
| H <sub>2</sub> | 2.58                 | 18, 17, 20     |
| 20 C           | 174.33               |                |
| 21 H           | 12.15                |                |

### 3. Materials and Methods

#### 3.1. General

All reagents and solvents (E.Merck (Darmstadt, Germany) or Sigma Aldrich (St. Louis, MO, USA)) were used without further purification. Reaction progress was monitored by TLC on silica gel GF<sub>254</sub> aluminum sheets (0.25 mm) using various developing system. Spots were detected under UV light ( $\lambda$  254 nm). Melting point was measured by Thermo Scientific Fisher-Johns Melting Point Apparatus 220 VAC (Waltham, MA, USA) and uncorrected. FTIR spectrum was recorded in KBr pellet on FTIR spectrophotometer Shimadzu 84005 series (Kyoto, Japan). Mass spectrum was recorded on HR mass spectrometer Waters LCT Premier XE (Santa Clara, CA, USA). NMR spectrum (<sup>1</sup>H-, <sup>13</sup>C-NMR, and HMBC) was recorded using JEOL 400 ECA spectrometer (Tokyo, Japan) with DMSO-*d*<sub>6</sub> as solvent and internal standard.

#### 3.2. Preparation of the Title Compound (2)

The amino methoxy chalcone (1) was synthesized according to the protocol as described previously [2]. The title compound was synthesized as followed: 1 mmol succinic anhydride was dissolved in 5 mL DCM, then three drops of pyridine was added. The mixture was stirred at 40 °C for 10 min. Then 1 mmol of chalcone (1) in 2 mL DCM was added drop-wise, stirred overnight at room temperature. The precipitate was then filtered off and re-crystallized from ethanol.

### 4. Conclusions

We have demonstrated the synthesis of a methoxy amide chalcone derivative through the Claisen-Schmidt reaction, followed by amidation.

**Supplementary Materials:** FTIR, HRMS, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, HMBC spectra of the synthesized compound are available online.

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**Author Contributions:** H.S. brought out the idea, managed the research and wrote the paper. K.U.H. and A.N.K. analyzed the spectral data. N.N.D.R. performed the synthesis, while N.N.T.P. corrected the draft. All the authors have read the draft.

**Conflicts of Interest:** The authors declare no conflict of interest.

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