ISSN 2181-287X

EURASIAN JOURNAL OF MEDICAL AND NATURAL SCIENCES

COLLECTION OF MATERIALS FROM THE INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE «LIFE SCIENCES FOR THE SUSTAINABLE FUTURE-2024»

VOLUME 4, ISSUE 6: SPECIAL ISSUE (EJMNS)

O'ZBEKISTON RESPUBLIKASI OLIY TA'LIM, FAN VA INNOVATSIYALAR VAZIRLIGI

TOSHKENT FARMATSEVTIKA INSTITUTI

YOSHLAR AKADEMIYASI

"INNOVATIVE ACADEMY" ILMIY TADQIQOTLAR MARKAZI

«BARQAROR KELAJAK UCHUN HAYOT FANLARI-2024» MAVZUSIDAGI XALQARO ILMIY-AMALIY KONFERENSIYA MATERIALLAR TO'PLAMI

2024 yil 5-iyun

COLLECTION OF MATERIALS

FROM THE INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE «LIFE SCIENCES FOR THE SUSTAINABLE FUTURE-2024»

June 5, 2024

СБОРНИК МАТЕРИАЛОВ

МЕЖДУНАРОДНЫЙ НАУЧНО-ПРАКТИЧЕСКОЙ КОНФЕРЕНЦИИ « НАУКИ О ЖИЗНИ ДЛЯ УСТОЙЧИВОГО БУДУЩЕГО-2024»

5 июня 2024 г.

Conference has been listed in different indexings

INDEX COPERNICUS INTERNATIONAL · Academic Resource Index ResearchBib · ISSN INTERNATIONAL STANDARD SERIAL NUMBER INTERNATIONAL CENTRE · Google Scholar · doi DIGITAL OBJECT IDENTIFIER · OPEN ACCESS · OpenAIRE · zenodo · OJS OPEN JOURNAL SYSTEMS

The official website of the journal:
www.in-academy.uz

Tashkent 2024

inflammation of the gastrointestinal tract, liver, spleen, cardiovascular diseases and many diseases caused by immunodeficiency. It is recommended to exclude it and apply it in practice.

LITERATURE USED

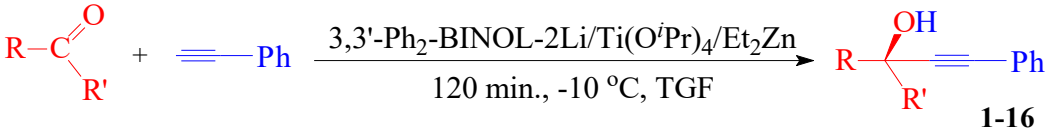
1. Boshqarish usullari. Kimyoviy omillar. Biologik faol oziq-ovqat qo'shimchalarining sifat nazorati va xavfsizligi bo'yicha qo'llanma. Qo'llanma R 4.1.1672-03. M.: Rossiya Sog'liqni saqlash vazirligining davlat sanitariya-epidemiologiya nazorati federal markazi, 2004.
2. И.Р Асқаров. Табобат қомуси . Тошкент.- Мумтоз сўз. - 2019.
3. И.Р. Асқаров. Сирли табобат. Тошкент.- Фан ва технологиялар нашриёт-матбаа уйи, 1010, 2021.
4. Абдужабборова Ч.С. ЯПОН САФОРАСИ (ЛАТ. STYPHONOLOBIUM JAPONICUM) НИНГ КИМЁВИЙ ТАРКИБИ ВА ТАБОБАТДА ҚЎЛЛАНИЛИШИ. // Халк табобати плюс // - 2023/12. -С. 47,48,49. https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=hKvs_GgAAAAJ&citation_for_view=hKvs_GgAAAAJ:epqYDVWIO7EC
5. Abdujabborova, C. (2024). PSORALEA DRUPACEAE BUNGE (PSORALEA KOSTYANKOVA OR AKKURAI) CHEMICAL COMPOSITION AND APPLICATION IN MEDICINE. B INTERNATIONAL BULLETIN OF MEDICAL SCIENCES AND CLINICAL RESEARCH (Т. 4, Выпуск 1, сс. 9–14). Zenodo. https://doi.org/10.5281/zenodo.10460566 https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=hKvs_GgAAAAJ&citation_for_view=hKvs_GgAAAAJ:WF5omc3nYNoC
6. Mamatqulova, S. A., & Abdujabborova, C. S. qizi. (2024). LYUPIN O‘SIMLIGI KIMYOVIY TARKIBI VA XALK TABOBATIDA QO‘LLANILISHI. Educational research in universal sciences, 3(3), 73–79. https://doi.org/10.5281/zenodo.10836516https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=hKvs_GgAAAAJ&citation_for_view=hKvs_GgAAAAJ:Z5m8FVwuT1cC
7. Аскаров, И. Р., Маматкулова, С. А., & Абдужабборова, Ч. С. к. (2024). АНАЛИЗ ХИМИЧЕСКИХ ЭЛЕМЕНТОВ СОФОРЫ ЯПОНСКОЙ. *Журнал химии товаров и народной медицины*, *3*(1), 97–111. https://doi.org/10.55475/jcgtm/vol3.iss1.2024.180
8. Аскаров, И. Р., Маматкулова, С. А., & Абдужабборова, Ч. С. к. (2024). ОПРЕДЕЛЕНИЕ АНТИОКСИДАНТНОЙ АКТИВНОСТИ ВЕЩЕСТВ, СОДЕРЖАЩИХСЯ В СМЕСИ ЯПОНСКОГО САФЛОРОВОГО ДЕРЕВА И ЛЮПИНА. *Журнал химии товаров и народной медицины*, *3*(1), 192–204. https://doi.org/10.55475/jcgtm/vol3.iss1.2024.259 a

AYRIM KETONLARNI 3,3′-PH$_2$BINOL-2LI/TI(O^{i}PR)$_4$/ET$_2$ZN DUAL KATALITIK SISTEMASIDA FENILATSETILEN ISHTIROKIDA ALKINILLASH REAKSIYASI

Ziyadullayev O.E.[1,2], Otamuxamedova G.Q.[1]
[1]Chirchiq davlat pedagogika universiteti, Chirchiq, O‘zbekiston
[2]O‘zbekiston Respublikasi Favqulodda vaziyatlar vazirligi Akademiyasi, Toshkent, O‘zbekiston

Molekulasida uchbog‘, gidroksil guruhi, gidroksil guruhida harakatchan faol vodorod hamda turli xil tabiatga ega bo‘lgan funksional guruhlar saqlagan atsetilen spirtlari kimyoviy jihatdan juda faol bo‘lib, ular asosida kimyo, neft-gaz, to‘qimachilik, rezina-taxnika va boshqa sohalarda

turli maqsadlarda qo‘llaniladi [1, 2]. Ohirgi yillarda atsetilen spirtlarini yuqori unum bilan sintez qilishda selektivligi yuqori bo‘lgan katalizatorlardan keng foydalanilmoqda [3, 4].
Ushbu ishda ilk bor 3,3′-Ph_2BINOL-2Li/Ti(O^iPr)$_4$/Et_2Zn katalitik sistemasi yordamida molekulasida karbonil guruhi saqlagan alifatik, aromatik, siklik va geterotsiklik ketonlarning fenilatsetilen ishtirokida alkinillash asosida aromatik atsetilen spirtlari – 1-(2-feniletinil)siklopentanol (**1**), 1-(2-feniletinil)siklogeksanol (**2**), 1,7,7-trimetil-2-(2-feniletinil)-bitsiklo[2.2.1]geptanol-2 (**3**), 1-(2-feniletinil)adamantanol-2 (**4**), 3-metil-1-fenilgeptin-1-ol-3 (**5**) 3-metil-1-fenilpentin-1-ol-3 (**6**), 3,4-dimetil-1-fenilpentin-1-ol-3 (**7**), 3,4,4-trimetil-1-fenilpentin-1-ol-3 (**8**), 2,4-difenilbutin-3-ol-2 (**9**), 4-fenil-2-*p*-tolilbutin-3-ol-2 (**10**), 2-mezitil-4-fenilbutin-3-ol-2 (**11**), 2-(naftil-2)-4-fenilbutin-3-ol-2 (**12**), 2-(furanil-2)-4-fenilbutin-3-ol-2 (**13**), 4-fenil-2-(tiofenil-2)butin-3-ol-2 (**14**), 4-fenil-2-(piridinil-4)butin-3-ol-2 (**15**) va 2-(5-xlortiofenil-2)-4-fenilbutin-3-ol-2 (**16)** sintezi tadqiq qilindi.



1-16

Bu yerda: RR'= $_c$Pt (**1**), RR'= $_c$Hx (**2**), RR'= Me$_3$*bic*He (**3**), RR'= $_c$Ad (**4**), R= Me, R'=^{n}Bu (**5**), R= Me, R'= Et (**6**), R= Me, R'= ^{i}Pr (*7*), R= Me, R'= ^{tr}Bu (**8**), R= Me, R'=Ph (**9**), R= Me, R'= $_p$Tol (**10**), R= Me, R'=Mes (**11**), R= Me, R'= $_\beta$Nh (**12**), R= Me, R'= Fr (**13**), R= Me, R'= Tp (**14**), R= Me, R'= Py (**15**), R= Me, R'= Tp2Cl (**16**),

Tanlangan dual sistemada atsetilen spirtlarini sintez qilish jarayoni va mahsulot unumiga turli omillar- harorat, reaksiya davomiyligi, erituvchilar tabiati, reagent va substratlarning miqdorlari, reaksiyada hosil bo‘ladigan oraliq va qo‘shimcha mahsulotlar turlari va miqdorlari tizimli ravishda o‘rganildi va olingan natijalar asosida jarayon uchun eng muqobil sharoit topildi va reaksiya mexanizmlari taklif etildi. Sintez qilingan birikmalarning tuzilishi, tozaligi va tarkibi zamonaviy fizik-kimyoviy tadqiqot usullari yordamida isbotlandi.

Adabiyotlar

1. X-.R.Song, R.Yang, Q.Xiao // *Advanced Synthesis & Catalysis*, 2020. V. 4. pp. 363-368.
2. Yuan H., Chjou Q., Vang J. // *Organic Chemistry Frontiers*, 2023. V. 10. I. 8. pp. 2081-2094
3. R.Roya, S.Saha // *The Royal Society of Chemistry*, 2018. V. 8. pp. 31129-31193.
4. W-.Ya.Lu, Y.You, T-.T.Li // *Journal Organic Chemistry*, 2021. V. 9. pp. 6711-6720.

RAMNOTSITRIN FLAVONOIDINING ANTIOKSIDANT XUSUSIYATI

SOBIROVA GULRUX XASAN QIZI[1],
KOMILOV BAXROM JAMOLDINOVICh[2],
POZILOV MA’MURJON KOMILJONOVICh[3]
[1]Farg‘ona davlat universiteti, Farg‘ona, O‘zbekiston
[2]O‘zR FA O‘simlik moddalari kimyosi instituti, Toshkent, O‘zbekiston
[3]M.Ulug‘bek nomidagi O‘zbekiston Milliy universiteti, Toshkent, O‘zbekiston
+99890 969-50-81 mkpozilov@gmail.com

Flavonoidlar o‘simliklar tarkibida mavjud bo‘lgan flavan yadrosi bilan ajralib turadigan tabiiy polifenollarning keng tarqalgan turi bo‘lib, terapevtik xususiyatlari bilan boshqa biofaol birikmalardan ajralib turadi. Hozirda, flavonoid birikmalarning 10000 dan ortiq turlari fanga ma’lum bo‘lib, bugunga kelib ularning ayrim turlarigina farmakologik xususiyatlari hamda fiziologik ta’sir mexanizmlari o‘rganilgan. So‘nggi tadqiqotlardan shuni ko‘rsatadiki,