

ISSN 0132-6244

Х И М И Я

етероциклических

С оединений

2017 Том 53 № 4 (598)

381–490

Chemistry of Heterocyclic Compounds

Heterociklisko savienojumu ķīmija

ХИМИЯ гетероциклических Соединений

Выходит
12 раз в год
с января 1965 г.

2017 • Апрель
Том 53 • № 4 (598)
381–490

СОДЕРЖАНИЕ

ОТ РЕДАКТОРА

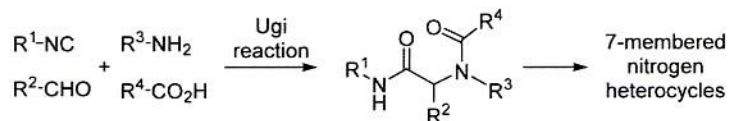
Multicomponent reactions in the synthesis of heterocycles

381

T. J. J. Müller

ОБЗОРЫ

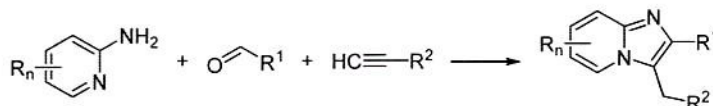
Synthesis of seven-membered nitrogen heterocycles through the Ugi multicomponent reaction



382

L. Banfi, A. Basso, C. Lambruschini,
L. Moni, R. Riva

Synthesis of functionalized imidazo-[1,2-*a*]pyridines *via* domino A^3 -coupling/cycloisomerization approach

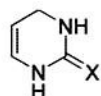


409

Yu. Volkova, V. Gevorgyan

ГЕТЕРОЦИКЛЫ В ФОКУСЕ

Biginelli reaction – an effective method for the synthesis of dihydropyrimidine derivatives

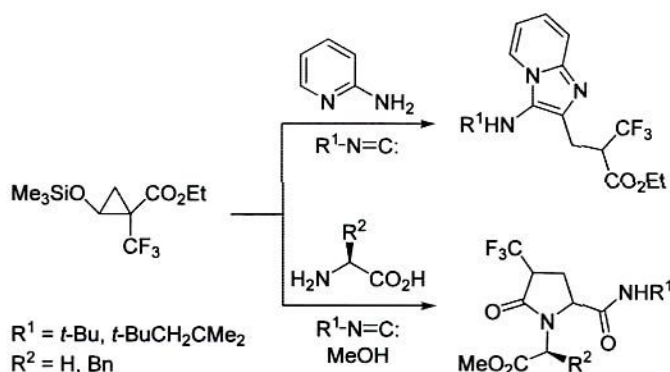


413

N. Simurova, O. Maiboroda

New trifluoromethyl-substituted heterocycles by multicomponent reactions of siloxycyclopropanes

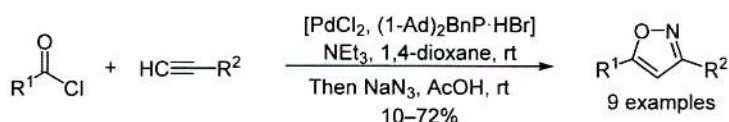
D. Gladow, D. Senf, J. Wiecko, D. Lentz, R. Zimmer, H.-U. Reissig



416

Facile consecutive three-component synthesis of 3,5-disubstituted isoxazoles

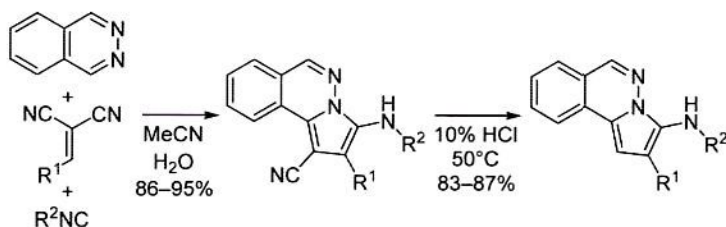
C. Görgen, T. J. J. Müller



422

Synthesis of new pyrrolo[2,1-a]phthalazine derivatives via multicomponent reaction of phthalazine with 1,1-dicyanoalkenes and alkyl isocyanides

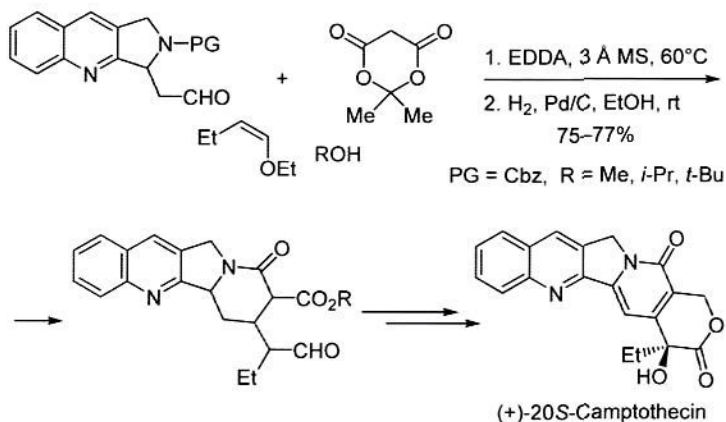
M. A. Mironov, I. D. Shulepov, K. V. Kozhikhova, M. N. Ivantsova, M. I. Tokareva



430

Synthesis of indolizinoquinolinones through three- and four-component domino Knoevenagel / hetero-Diels–Alder reactions: novel access to (+)-camptothecin

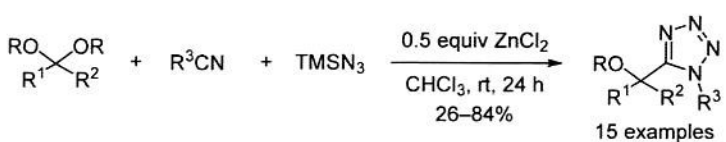
L. F. Tietze, M. Bischoff, T. A. Khan, D. Liu



434

Трехкомпонентная реакция кеталей, изонитрилов и триметилсилилазида

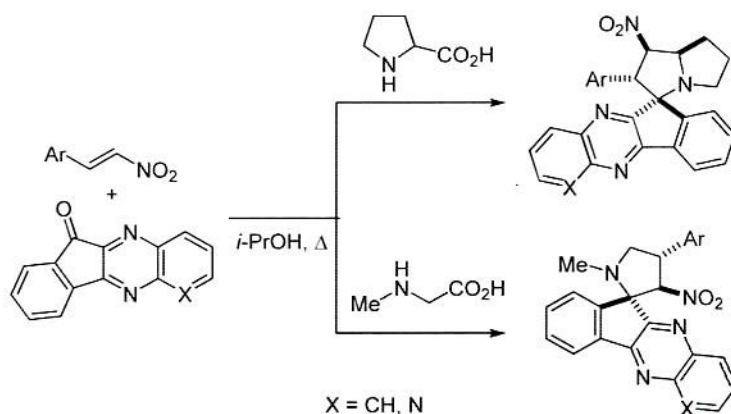
Н. Е. Голанцов, Х. М. Нгуен, А. В. Варламов, А. В. Аксенов, Л. Г. Воскресенский



446

Регио- и стереоселективное
1,3-диполярное циклоприсоединение
инденохиноксалиновых азотин-
илидов к β -нитростиролам:
синтез спиро[индено[1,2-*b*]хиноксалин-
11,3'-пирролизидинов] и спиро[индено-
[1,2-*b*]хиноксалин-11,2'-пирролидинов]

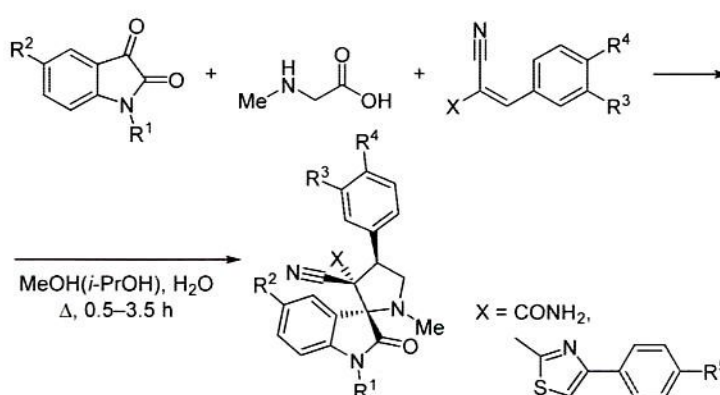
А. Ю. Барков, Н. С. Зимницкий,
В. Ю. Коротаев, И. Б. Кутяшев,
В. С. Мошкин, В. Я. Сосновских



451

Synthesis of new spirooxindolopyrrolidines
via three-component reaction of isatins,
 α -amino acids, and (*E*)-3-aryl-
2-cianoacrylamides or (*E*)-3-aryl-
2-(4-arylthiazol-2-yl)acrylonitriles

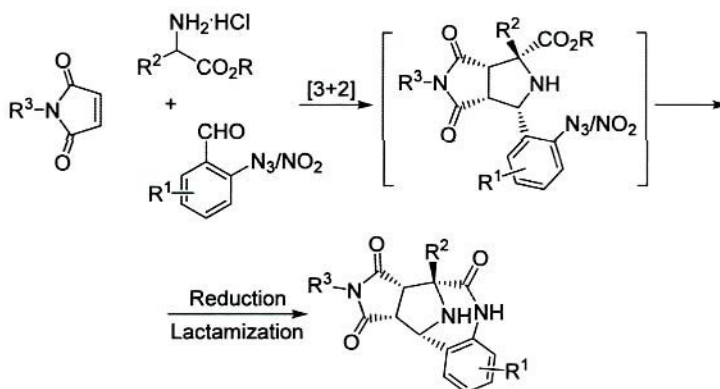
T. L. Pavlovska, V. V. Lipson,
S. V. Shishkina, V. I. Musatov,
J. A. Nichaenko, V. V. Dotsenko



460

[3+2] Cycloaddition-based one-pot synthesis
of 3,9-diazabicyclo[4.2.1]nonane-containing
scaffold

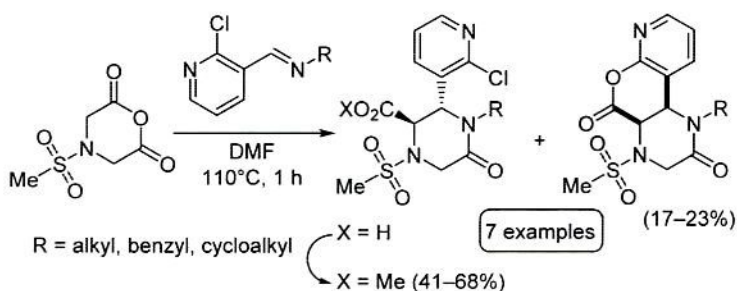
X. Zhang, M. Legris,
A. Muthengi, W. Zhang



468

Spontaneous formation of tricyclic lactones
following the Castagnoli–Cushman reaction

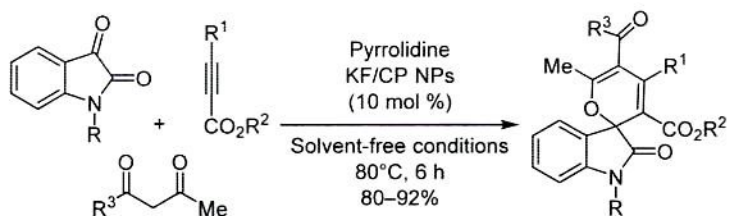
L. Usmanova, O. Bakulina,
D. Dar'in, M. Krasavin



474

Green synthesis of indol-2-one derivatives from *N*-alkylisatins in the presence of KF/clinoptilolite nanoparticles

F. Rostami-Charati, Z. Hossaini,
R. Rostamian, M. Ghambarian,
A. Zamani, M. Abdoli

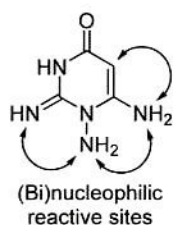


R = Alk, Bn; R¹ = H, CO₂Alk; R² = Me, Et; R³ = Me, OEt

480

Synthesis of 1,6-diamino-2-imino-2,3-dihydropyrimidin-4(1*H*)-one and preliminary study of its two- and three-component reactions

I. M. Zviagin, O. S. Zhelavskiy,
S. V. Shishkina, V. I. Musatov,
A. V. Borisov, V. A. Chebanov



484