Rapid Communications

590 Preparation of α-iodoacetates from alkenes by Co(OAc)$_2$ catalysed Woodward-Prevost reaction

IPC: Int.Cl.7 C 07 C 11/02

Woodward-Prevost reaction of alkenes with iodine and cobalt(II) acetate in acetic acid is reported. The reaction is facile and α-iodoacetates are obtained from both acyclic and cyclic alkenes in high yields within 15-55 min.

Yi Yi Myint & M A Pasha*  

593 Reduction of nitrosoarenes into anilines by Al/NH$_4$Cl in refluxing methanol

IPC: Int.Cl.7 C 07 C 211/46

A simple, cost-effective method for the reduction of nitrosoarenes by Al/NH$_4$Cl in refluxing methanol to give anilines is reported.

D Nagaraja & M A Pasha*

Papers

595 A convenient synthesis of 4-diarylmethyl-, 4-(α-hydroxy-α-aryl/naphthyl)methyl- and 4-(benzoyl/naphthoaryl)-1-(2H)-phthalazinones from ninhydrin

IPC: Int.Cl.7 C 07 D 237/30

Sandip kumar kundu & Animesh Pramanik*
Facile acid-catalyzed condensation of ninhydrin with enols and aromatic compounds and microwave enhanced condensation of ninhydrin with hydroxy aromatic systems in solid state

IPC: Int.Cl. 7 C 07 C 15/20

Sandip Kumar Kundu, Amarendra Patra* & Animesh Pramanik*

Synthesis, characterization and structure of drum hexameric benzylloxotin heteroaromatic carboxylates

IPC: Int.Cl. 7 C 07 D 209/04, C 07 D 207/00, C 07 D 211/00, C 07 D 307/00, C 07 D 275/00

Handong Yin*, Chuanhua Wang & Yong Wang

Synthesis of new 2-(2'-pyridylidene)-1-oxo-1,2,3,4-tetrahydrocarbazoles and 4,5-dihydro-2-(2'-pyridyl)isoxazolo[3,4-a]carbazoles

IPC: Int.Cl. 7 C 07 D 209/00

I Antony Danish & K J Rajendra Prasad*

The ten drum hexameric benzylloxotin heteroaromatic carboxylates have been synthesized by the reaction of [(PhCH2)3Sn]2O with heteroaromatic carboxylic acids in 1:2 molar ratio. The crystal structures of hexameric benzylloxotin 2-pyridinylcarboxylate and hexameric benzylloxotin 2-oxazolylcarboxylate are determined by X-ray single crystal diffraction.
Synthesis of benzofuro-4-anilino-2H-1-benzo-pyrana-2-one and benzofuro-pyrano-2H-1-benzopyra-2-one

IPC: Int.Cl. C 07 D 311/00

Shubhangi S Soman*

γ-Oxo carboxylic acids in heterocyclic synthesis: Part IV—Synthesis of some pyridazines containing phthaly and tosyl amino acids using DCC as the condensing agent

IPC: Int.Cl. C 07 D 237/00

A A Aly & A A F Wasfy*

Glycolamide esters of 4-biphenylactic acid as potential prodrugs—synthetic and spectral studies

IPC: Int.Cl. C 07 C 63/00

Pritam Dev Sharma, Kamal Jit Singh,
Shivali Gupta & Senthilkumar Chandiran
Synthesis and bioactivity of isoxazolyl thiazoles, isoxazolyl thiazolyl chromen-2-ones, isoxazolyl thiazinanes and isoxazolyl thiazolidinones

IPC: Int.Cl. C 07 D 26/100 // A 61 P 31/10, 31/04

E Rajanarendar*, D Karunakar & M Srinivas

Selective antifungal activity of shorter active analogues of Bactenecin 7 against Fusarium moniliforme

IPC: Int.Cl. C 12 P 21/00 // A 61 P 31/10

K Abiraj, M K Sachidananda, A S Prakasha Gowda & D Channe Gowda*

Several active tetrapeptide fragments of Bactenecin 7, a proline/arginine rich antimicrobial peptide, have been synthesized by classical solution phase method. All the synthetic analogues exhibit potent antifungal activity selectively against Fusarium moniliforme.
Phytoconstituents from *Saussurea lappe* roots

IPC: INT.LC 7 A 61 K 31/00

Phytochemical investigation on the roots of *Saussurea lappe* results in two new phytosterols (24S)-stigmasta-5,9(11)-dien-20,28-endo-3 β-ol(lappasterol) 1. (24S)-stigmasta-5,9(11)-dien-20, 28-endo-5α-ol (3-epi-lappasterol) 2 and one unreported lanostane type triterpene, lanostan-20(22), 24-dien-2-one-3β, 9α, 12β-triol-21-al (lappalansterol) 3 along with β-sitosterol-3-glucopyranoside.

Vijender Singh & Mohd Ali*

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Synthesis of new 1-hydroxyindole derivatives

IPC: INT.LC 7 C 07 D 209/04

Syntheses of new 1-hydroxyindole derivatives are reported.

Hadietou Diadié Camara, Khalid Attar, Mohamed Benchidmi, El Mokhtar Essassi & Bernard Garriques*
Synthesis of triazolo-pyrimidine, tetrazolo-pyrimidine and pyrimido-triazepine

IPC: Int.CL.7 C 07 D 253/00

Some 4-substituted aryl-6-(2,4-dialkoxyphenyl)-1,2,4-triazolo[4, 3-a]pyrimidine, 4-substitutedaryl-6-(2,4-dialkoxyphenyl)tetrazolo[1,5-a]pyrimidine and 4-substitutedaryl-6-(2,4-dialkoxyphenyl)pyrimido[2,1-c][1,2,4]triazepine have been synthesized from 4-substitutedaryl-6-(2,4-dialkoxyphenyl)-2-hydroxypyrimidine.

C S Andotra* & Sukhinder Kaur

Regioselective synthesis of novel heterophanes from 4-amino-triazoles

IPC: Int.CL.7 C 07 D 251/00

The title compounds have been prepared in moderate yields from 4-amino-1, 2, 4-triazole and structures of the compounds have been studied for their stereochemistry. Some of the title compounds have also been studied for their use as PTC agents.

Madhukar S Chande*, Shailesh S Athalye & Ajit A Godbole

Chemoselective reduction of α,β-unsaturated carbonyl compounds by sodium hydrogen telluride: Part I

IPC: Int.CL.7 C 07 C 57/00

Sodium hydrogen telluride is used for the selective reduction of C=C bonds in various chalcones. The reduction proceeds smoothly in good yields.

G Geethamalika*, A Suguna Sundari, P Shanmugam & S P Rajendran

INDIAN J CHEM, 43B (3) 2004
677 A simple and efficient method for the dehydrogenation of symmetric hydrazo compounds with NaNO₂-Ac₂O

Rapid oxidation of eighteen symmetric hydrazo compounds to corresponding azo compounds using NaNO₂-acetic anhydride as a novel oxidizing agent under mild condition is reported for the first time.

\[
\text{ArNH-NHAr} \xrightarrow{\text{NaNO₂/ Ac₂O}} \text{ArN=NAr}
\]

Xiaochuan Li, Yulu Wang* & Jinye Wang

679 Microwave irradiation in solvent-free conditions: Preparation of 2-substituted-4(3H)-quinazolinones by heterocyclisation of 2-aminoazamid with carboxylic acids

A simple and fast preparation of 2-substituted-4(3H)-quinazolinones in high yields has been developed by microwave induced heterocyclisation of 2-aminoazamid with carboxylic acids in solvent-free conditions.

\[
\begin{align*}
\text{NH} & + \text{R COOH} \xrightarrow{\text{Microwave (3-5 min)}} \\
\text{1} & \rightarrow \text{2a-f}
\end{align*}
\]

M Rahimizadeh, Z Tavallai & M Bakavoli*

682 Synthesis of 4,10-dihydro-5/7-substituted-9-oxo-quinolino[2,3-c]-2-amino-1,3,4-thiadiazine and schiff base by microwave irradiation

4,10-Dihydro-5/7-substituted-9-oxo-quinolino[2,3-c]-2-amino-1,3,4-thiadiazine and its Schiff base synthesized by using MWI technique in excellent yield than conventional method.

\[
\begin{align*}
\text{3} & \rightarrow \text{4}
\end{align*}
\]

Vijay V Dabholkar* & Govind D More

Authors for correspondence are indicated by (*)

IPC: International Patent Classification
Int. Cl. : International Classification 7th edition, 1999