

Silica-Pcl₅: A Novel Heterogenous System For Simple And Efficient Chemoselective Protection Of Carbonyl Compounds

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Synthesis and fungicidal activities ofn-(5-((2,4-dichlorophenoxy)methyl)-1,3,4-thiadiazol-2-yl)-Substituted-amide

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Reaction of 2-amino-5-(2,4-dichlorophenoxy)methyl)-1,3,4-thiadiazole with substituted acyl chloride yielded amide 2a-j in good yield. The chemical structures of all compounds were established by ¹H NMR, FTIR, MS and elemental analysis, and some of these compounds were investigated for fungicidal activity. The bioassay results indicated that some of these compound exhibit moderate fungicidal activities.









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Synthesis And Spectroscopic Investigations Of Trifluoroethoxy Semi-Coated Zinc(Ii) Phthalocyanine

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Trifluoroethoxy semi-coated zinc(II) phthalocyanine 1 has been synthesized and characterized. The aggregation state of 1 was investigated by UV-vis and steady-state fluorescence spectra. The fluoroethoxy Pc 1 was found to stay non-aggregation independent of concentrations in dioxane. With our expectation, the strong emission was observed in line with the absorption spectra of 1.



Heterocycl. Commun. 3 (2009) 203-207 Synthesis Of 6,7,8,9-Tetrahydro-5*k*-1-Thia-5,10-Diaza-Cyclohepta[*F*]Inden-4-Ylamine Derivatives

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Several new 6,7,8,9-tetrahydro-5*H*-1-thia-5,10-diazacyclohepta[/]inden-4-ylamine derivatives 4 were syntesized in good yield by starting from 2-aminothiophene-3-carbonitrile and 5-substituted cyclohexane-1,3-dione.





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A synthetic route to tetracyclic pyrano[4,3-b]-imidazo[1,2-a][1,5]benzodiazepines is described, involving the cyclization using cyanogen bromide of enaminones, obtained from reaction of pyrone or tetronic acid with o-phenylenediamine derivatives, and subsequent treatment with 2-chloroethanal.

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Synthesis And Anti-Microbial Activity Of Some New 5-Substituted -N¹-[(1e)-(2-Hydroxyquinolin-3-Yl)Methylene]-3-Phenyl-1h-Indole-2-Carbohydrzide Derivatives

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5a-d, **6a-d**, **7a-d** and **8a-d** were prepared by 5-substituted -N¹-[(1E)-(2-hydroxyquinolin-3-yl)methylene]-3-phenyl-1H-indole-2-carbohydrzide **3a-d**.





