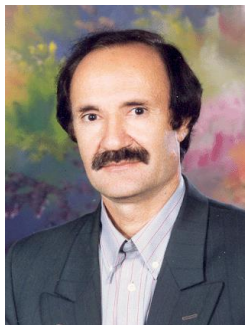


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### **I. PERSONAL INFORMATION:**

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### **II. EDUCATIONAL RECORDS:**

<u>Degree</u>	<u>Institution</u>	<u>Field</u>	<u>Date</u>
<b>B.Sc</b>	Pars Colledge, Tehran, Iran	Chemistry	1967-1971
<b>M.Sc</b>	Pars Colledge, Tehran, Iran	Chemistry	1971-1973
<b>Ph.D.</b>	University of California at Los Angeles (UCLA)	Organic Chemistry	1974-1977
<b>Post Doc</b>	California Institute of Technology (CALTECH)		1977-1978

### III. ACADEMIC EXPERIENCES:

Institute of Chemistry, University of Mazandaran, Babolsar, Iran, Assistant Professor - 1978-1982

Tarbiat Modares University, Tehran, Iran, Professor of Organic Chemistry

### VI. RESEARCH INTERESTS:

- Stereochemistry and Conformational Analysis
- Proton-Transfer Reactions
- Dynamic NMR Spectroscopy
- Intramolecular Wittig Reactions
- Quantum Mechanical Calculations
- Synthetic Methodology and Green Chemistry

## *Issa Yavari: List of Publications*

### 2010

1. Yavari, I., Khalili, G., Mirzaei, A. (2010) Tandem synthesis of 1-(alkylamino)-2,4-diarylpyrimido[6,1-a]isoquinolin-5-ium chlorides from isoquinoline, N-alkyl-benzimidoyl chlorides, and isocyanides *Tetrahedron Letters* 51 (8), pp. 1190-1192
2. Yavari, I., Shirgahi-Talari, F., Hossaini, Z., Sabbaghan, M., Seyfi, S. (2010) Synthesis of functionalized 1,2,4-triazole-3-thiones from ammonium isothiocyanate, acid chlorides, and arylhydrazines *Molecular Diversity* , pp. 1-4 Article in Press
3. Yavari, I., Sirouspour, M., Souri, S. (2010) A one-pot synthesis of N-alkylthiazoline-2-thiones from CS<sub>2</sub>, primary amines, and 2-chloro-1,3-dicarbonyl compounds in water *Monatshefte fur Chemie* , pp. 1-4 Article in Press
4. Yavari, I., Sirouspour, M., Souri, S. (2010) One-pot synthesis of functionalized 4-oxo-2-thioxo-1,3-thiazinanes from primary amines, CS<sub>2</sub>, and itaconic anhydride *Molecular Diversity* , pp. 1-5 Article in Press
5. Yavari, I., Nematpour, M., Hossaini, Z. (2010) A synthesis of phosphorylated dioxohexahydropyrimidines from N, N'-dimethylurea, activated acetylenes, and trialkyl phosphites *Molecular Diversity* , pp. 1-4 Article in Press
6. Yavari, I., Mirzaei, A., Hossaini, Z., Souri, S. (2010) Diastereoselective synthesis of fused [1,3]oxazines from ethyl pyruvate, activated acetylenes and N-heterocycles *Molecular Diversity* , pp. 1-5 Article in Press

7. Yavari, I., Iravani, N., Sayyed-Alangi, S.Z., Hajinasiri, R. (2010) A one-pot synthesis of alkyl acylcarbamodithioates from acid chlorides, thiols, and ammonium thiocyanate *Monatshefte fur Chemie*, pp. 1-6 Article in Press
8. Yavari, I., Mirzaei, A., Moradi, L., Khalili, G. (2010) Diastereoselective synthesis of spiro-functionalized tetraalkyl benzoisoquinopyrrolonaphthyridine-tetracarboxylates from isoquinoline, dialkyl acetylenedicarboxylates, and indane-1,3-dione *Tetrahedron Letters* 51 (2), pp. 396-398

## 2009

9. Yavari, I., Hajinasiri, R., Sayyed-Alangi, S.Z., Iravani, N. (2009) An efficient synthesis of dialkyl 2-(diphenoxyphosphoryl)-3-(alkylthio)succinates from alkylthiols, triphenyl phosphite and dialkyl acetylenedicarboxylates *Journal of the Iranian Chemical Society* 6 (4), pp. 705-709
10. Yavari, I., Kowsari, E. (2009) Efficient and green synthesis of tetrasubstituted pyrroles promoted by task-specific basic ionic liquids as catalyst in aqueous media *Molecular Diversity* 13 (4), pp. 519-528
11. Yavari, I., Hossaini, Z., Souri, S., Seyfi, S. (2009) Diastereoselective synthesis of fused [1,3]thiazolo[1,3]oxazines and [1,3]oxazino[2,3-b][1,3]benzothiazoles *Molecular Diversity* 13 (4), pp. 439-443
12. Alizadeh, K., Ghasvand, A.R., Borzoei, M., Zohrevand, S., Rezaei, B., Hashemi, P., Shamsipur, M., (...), Yavari, I. (2009) Experimental and computational study on the aqueous acidity constants of some new aminobenzoic acid compounds *Journal of Molecular Liquids* 149 (3), pp. 60-65
13. Yavari, I., Bayat, M.J., Souri, S., Sirouspour, M. (2009) One-pot synthesis of functionalized (4-oxo-1,3-thiazinan-5-yl)acetic acids from isothiocyanates, primary alkylamines, and itaconic anhydride *Helvetica Chimica Acta* 92 (9), pp. 1903-1907
14. Yavari, I., Hossaini, Z., Sabbaghan, M., Ghazanfarpour-Darjani, M. (2009) A one-pot synthesis of functionalized thiazoles from acid chlorides, secondary amines, ethyl bromopyruvate, and ammonium thiocyanate *Molecular Diversity* 13 (3), pp. 295-300
15. Yavari, I., Yavari, P., Kowsari, E. (2009) Ionic liquids as novel reaction media for the synthesis of copoly(ester-amide)s containing 9,10-Anthraquinone moiety *Synthetic Communications* 39 (14), pp. 2540-2548
16. Yavari, I., Souri, S., Sirouspour, M., Bayat, M.J. (2009) An efficient synthesis of functionalized 6,10-dioxo-6,10-dihydro-5H-pyrido[1,2-a]quinoxalines and 6,10-dioxo-6,10-dihydropyrido[2,1-c][1,4]benzoxazines *Synlett* (12), pp. 1921-1922
17. Yavari, I., Mahjoub, A.R., Kowsari, E., Movahedi, M. (2009) Synthesis of ZnO nanostructures with controlled morphology and size in ionic liquids *Journal of Nanoparticle Research* 11 (4), pp. 861-868
18. Khalilzadeh, M.A., Yavari, I., Hossaini, Z., Sadeghifar, H. (2009) N-Methylimidazole-promoted efficient synthesis of 1,3-oxazine-4-thiones under solvent-free conditions *Monatshefte fur Chemie* 140 (4), pp. 467-471
19. Yavari, I., Piltan, M., Moradi, L. (2009) Synthesis of pyrrolo[2,1-a]isoquinolines from activated acetylenes, benzoylnitromethanes, and isoquinoline *Tetrahedron* 65 (10), pp. 2067-2071

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21. Yavari, I., Sayyed-Alangi, S.Z., Hajinasiri, R., Sajjadi-Ghotbabadi, H. (2009) A one-pot synthesis of functionalized ethyl 1,3-thiazole-5-carboxylates from thioamides or thioureas and 2-chloro-1,3-dicarbonyl compounds in an ionic liquid *Monatshefte fur Chemie* 140 (2), pp. 209-211
22. Yavari, I., Karimi, E. (2009) N-hydroxyphthalimide-catalyzed oxidative production of phthalic acids from xylenes using O<sub>2</sub>/HNO<sub>3</sub> in an ionic liquid *Synthetic Communications* 39 (19), pp. 3420-3427

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23. Yavari, I., Seyfi, S., Hossaini, Z., Sabbaghan, M., Shirgahi-Talari, F. (2008) Efficient synthesis of 2-thioxo-1,3-thiazolanes from primary amines, CS<sub>2</sub>, and ethyl bromopyruvate. *Monatshefte fur Chemie* 139 (12), pp. 1479-1482
24. Yavari, I., Karimi, E. (2008) Tandem synthesis of functionalized tetrahydro-4aH-benzo[c]isoquino[1,2-t]pyrrolo[1,2-a][1,6]naphthyridines. *Tetrahedron Letters* 49 (45), pp. 6433-6436
25. Yavari, I., Hossaini, Z., Seyfi, S., Shirgahi-Talari, F. (2008) Efficient synthesis of highly substituted thiophenes from acetylenic esters, ethyl bromopyruvate, and tetramethylthiourea. *Monatshefte fur Chemie* 139 (10), pp. 1257-1259
26. Yavari, I., Kowsari, E. (2008) Ionic liquids as green and recyclable solvents for the synthesis of N-substituted N'-aroylthioureas containing 9,10-anthraquinone moiety. *Journal of Sulfur Chemistry* 29 (5), pp. 529-537
27. Montat, B., Jabbar, S., Ghasemi, A., Yavari, I. (2008) Synthesis of alkyl 2-[2-oxopyridin-1(2H)-yl]acrylates by nucleophilic addition of alkyl propiolates catalysed by Ph<sub>3</sub>P. *Journal of Chemical Research* (10), pp. 601-603
28. Yavari, I., Sayyed-Alangi, S.Z., Sabbaghan, M., Hajinasiri, R., Irvani, N. (2008) One-pot synthesis of functionalized thioureas by reaction of benzoyl isothiocyanates, secondary amines, and alkyl propiolates. *Monatshefte fur Chemie* 139 (9), pp. 1025-1028
29. Yavari, I., Hajinasiri, R., Sayyed-Alangi, S.Z., Irvani, N. (2008) Efficient synthesis of ethyl 3-alkyl-4-oxo-2-thioxo-1,3-thiazolane-5-carboxylates from the reaction of carbon disulfide and primary amines in the presence of diethyl 2-chloromalonate. *Monatshefte fur Chemie* 139 (9), pp. 1029-1031
30. Movahedi, M., Kowsari, E., Mahjoub, A.R., Yavari, I. (2008) A task specific basic ionic liquid for synthesis of flower-like ZnO by hydrothermal method. *Materials Letters* 62 (23), pp. 3856-3858
31. Yavari, I., Hossaini, Z., Sabbaghan, M. (2008) Efficient synthesis of 2,3,4-trisubstituted furans from the reaction of activated acetylenes with ethyl bromopyruvate in the presence of enamines. *Monatshefte fur Chemie* 139 (8), pp. 945-948

32. Yavari, I., Hosseini, N., Moradi, L. (2008) An efficient synthesis of 2-cyano-2-phenyl-2,11b-dihydro-[1,3]oxazino[2,3- a]isoquinolines by reaction of isoquinoline with electron-deficient acetylenes in the presence of benzoylcyanide. *Monatshefte fur Chemie* 139 (8), pp. 953-956
33. Yavari, I., Souri, S., Sirouspour, M. (2008) Efficient one-pot synthesis of unsymmetrical 2-thioparabanic acids from oxalyl chloride, benzoyl isothiocyanate, and primary amines. *Synlett* (11), pp. 1633-1634
34. Yavari, I., Hossaini, Z., Shirgahi-Talari, F., Seyfi, S. (2008) Synthesis of functionalized 1,3-thiazoles from acid chlorides, primary amines, ethyl bromopyruvate, and ammonium thiocyanate. *Synlett* (11), pp. 1631-1632
35. Yavari, I., Hosseini, N., Moradi, L., Mirzaei, A. (2008) Efficient synthesis of N,N'-dialkyl-N''-dialkylaminocarbothioyl thioureas from cyclic secondary amines, CS<sub>2</sub>, and N,N'-dialkyl carbodiimides in water. *Tetrahedron Letters* 49 (27), pp. 4239-4241
36. Yavari, I., Sabbaghan, M., Hossaini, Z., Ghazanfarpour-Darjani, M. (2008) Surprising formation of chlorinated butenolides from dialkyl acetylenedicarboxylates and hexachloroacetone in the presence of triphenyl phosphate. *Helvetica Chimica Acta* 91 (6), pp. 1144-1147
37. Yavari, I., Sabbaghan, M., Hossaini, Z. (2008) Efficient synthesis of functionalized 2,5-dihydrofurans and 1,5-dihydro-2H-pyrrol-2-ones by reaction of isocyanides with activated acetylenes in the presence of hexachloroacetone. *Monatshefte fur Chemie* 139 (6), pp. 625-628
38. Yavari, I., Hossaini, Z., Seyfi, S., Shirgahi-Talari, F. (2008) Efficient synthesis of functionalized thiazoles from acid chlorides, tetramethylthiourea, ethyl bromopyruvate, and ammonium thiocyanate. *Helvetica Chimica Acta* 91 (6), pp. 1177-1180
39. Yavari, I., Mokhtarporyani-Sanandaj, A., Moradi, L., Mirzaei, A. (2008) Reaction of benzoyl chlorides with Huisgen's zwitterion: synthesis of functionalized 2,5-dihydro-1H-pyrroles and tetrasubstituted furans. *Tetrahedron* 64 (22), pp. 5221-5225
40. Yavari, I., Hossaini, Z., Souri, S., Sabbaghan, M. (2008) N-Methylimidazole-promoted efficient synthesis of functionalized 1,3-oxazoline-2-thiones under solvent-free conditions. *Synlett* (9), pp. 1287-1288
41. Yavari, I., Sabbaghan, M., Hossaini, Z. (2008) Proline-promoted efficient synthesis of 4-aryl-3,4-dihydro-2H,5H-pyrano[3, 2-c]chromene-2,5-diones in aqueous media. *Synlett* (8), pp. 1153-1154
42. Yavari, I., Souri, S. (2008) Synthesis of functionalized 5-oxo-2,5-dihydro-1H-pyrroles from primary alkylamines, oxalyl chloride, and dimethyl acetylenedicarboxylate. *Synlett* (8), pp. 1208-1210
43. Yavari, I., Mirzaei, A., Moradi, L., Hosseini, N. (2008) Stereoselective synthesis of dialkyl 3-spiroindanedione-1,2,3,3a-tetrahydropyrrolo[1,2-a]quinoline-1,2-dicarb oxylates. *Tetrahedron Letters* 49 (15), pp. 2355-2358
44. Yavari, I., Kowsari, E. (2008) Task-specific basic ionic liquid: A reusable and green catalyst for one-pot synthesis of highly functionalized pyrroles in aqueous media. *Synlett* (6), pp. 897-899

45. Yavari, I., Ghazanfarpour-Darjani, M., Hossaini, Z., Sabbaghan, M., Hosseini, N. (2008) Methoxide ion promoted efficient synthesis of 1,3-oxathiolane-2-thiones by reaction of oxiranes and carbon disulfide. *Synlett* (6), pp. 889-891
46. Yavari, I., Hosseini, N., Moradi, L. (2008) Efficient synthesis of highly functionalized thiazolidine-4-ones under solvent-free conditions. *Monatshefte fur Chemie* 139 (2), pp. 133-136
47. Yavari, I., Hossaini, Z., Sabbaghan, M. (2008) Efficient synthesis of tetrasubstituted thiophenes by reaction of benzoyl isothiocyanates, ethyl bromopyruvate and enaminones. *Tetrahedron Letters* 49 (5), pp. 844-846
48. Yavari, I., Kowsari, E. (2008) Synthesis, spectral, and thermal properties of some phosphorus-containing 9,10-anthraquininoid, thermally stable dyes . *Dyes and Pigments* 77 (1), pp. 103-110
49. Yavari, I., Alborzi, A.R., Mohtat, B., Nourmohammadian, F. (2008) C-Vinylation of 1,8-dihydroxyanthraquinone promoted by triphenylphosphine. *Synthetic Communications* 38 (5), pp. 703-712
50. Habibi, A., Mousavifar, L., Yazdanbakhsh, M.R., Yavari, I. (2008) Synthesis of 1-(2,6-dimethylphenyl)-N-hydroxy-4,4-dialkyl-2,5-dioxo-N-aryl-3-pyrrolidine-carboxamides from reaction of 2,6-dimethylphenyl isocyanide, alkylidene Meldrum's acids, and arylhydroxylamines. *Synthetic Communications* 38 (6), pp. 873-880
51. Khoramabadi-Zad, A., Yavari, I., Shiri, A., Bani, A. (2008) Oxidation of bisnaphthols to spironaphthalenones, revisited. *Journal of Heterocyclic Chemistry* 45 (5), pp. 1351-1358

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52. Yavari, I., Sabbaghan, M., Hosseini, N., Hossaini, Z. (2007) Four-component one-pot synthesis of functionalized ynamines from reaction of benzoyl chlorides, secondary amines, acetylenic esters and ammonium thiocyanate. *Synlett* (20), pp. 3172-3174
53. Yavari, I., Souri, S. (2007) Efficient synthesis of functionalized 2-pyridones from malonyl dichloride, alkylamines and dimethyl acetylenedicarboxylate. *Synlett* (19), pp. 2969-2970
54. Yavari, I., Hossaini, Z., Karimi, E. (2007) A synthesis of dialkyl phosphorylsuccinates from the reaction of NH-acids with dialkyl acetylenedicarboxylates in the presence of trialkyl(aryl) phosphites. *Monatshefte fur Chemie* 138 (12), pp. 1267-1271
55. Yavari, I., Ali-Asgari, S., Porshamsian, K., Bagheri, M. (2007) Efficient synthesis of functionalized bis-(4-oxo-1,3-thiazolan-5-ylidene) acetates. *Journal of Sulfur Chemistry* 28 (5), pp. 477-482
56. Yavari, I., Hossaini, Z., Sabbaghan, M., Ghazanfarpour-Darjani, M. (2007) Efficient synthesis of functionalized spiro-2,5-dihydro-1,2- $\lambda$ 5-oxaphospholes. *Tetrahedron* 63 (38), pp. 9423-9428
57. Yavari, I., Mokhtarporyani-Sanandaj, A., Moradi, L. (2007) An efficient synthesis of a new class of spiroheterocycles: diastereoselective synthesis of dihydropyrrolo[2,1-a]isoquinolines. *Tetrahedron Letters* 48 (38), pp. 6709-6712

58. Yavari, I., Zare, H. (2007) An efficient synthesis of trialkyl N-alkyl-6-methyl-2-pyridone-3,4,5-tricarboxylates. *Monatshefte fur Chemie* 138 (8), pp. 787-790
59. Yavari, I., Sabbaghan, M., Ghazanfarpour-Darjani, M., Hossaini, Z. (2007) A synthesis of 1-aryl-3,5-dioxo-tetrahydro-1H-pyrazols from reaction of alkyl isocyanides, isopropylidene Meldrum's acid and arylhydrazines. *Journal of Chemical Research* (7), pp. 392-393
60. Yavari, I., Hossaini, Z., Sabbaghan, M., Ghazanfarpour-Darjani, M. (2007) Reaction of N-heterocycles with acetylenedicarboxylates in the presence of N-alkylisatin or ninhydrin. Efficient synthesis of spiro compounds. *Monatshefte fur Chemie* 138 (7), pp. 677-681
61. Yavari, I., Alborzi, A.R., Mohtat, B. (2007) Ph<sub>3</sub>P promoted one-pot synthesis of dialkyl 2-(2-oxopyridin-1(2H)-yl)but-2-enedioates from a reaction of 2-hydroxypyridine and dialkyl acetylenedicarboxylates. *Journal of Chemical Research* (7), pp. 397-399
62. Yavari, I., Moradi, L., Mokhtarporiani-Sanandeh, A., Mirzaei, A. (2007) Efficient synthesis of trialkyl 3-phenylbuta-1,3-diene-1,2,4- tricarboxylates by a novel one-pot multicomponent reaction. *Helvetica Chimica Acta* 90 (2), pp. 392-394
63. Yavari, I., Amiri, R., Haghdadia, M. (2007) Diastereoselective synthesis and conformation of trans-2,3-dibenzoyl-1,4- dithiacycloheptane. *Croatica Chemica Acta* 80 (1), pp. 25-28
64. Yavari, I., Zabarjad-Shiraz, N. (2007) Ab initio SCF-MO study of quinones of azulene. *Dyes and Pigments* 75 (3), pp. 669-674
65. Habibi, A., Mousavifar, L., Yavari, I., Yazdanbakhsh, M.R. (2007) Synthesis of highly functionalized isoxazolinediones from one-pot reaction of alkylidene meldrum's acid with alkyl isocyanides in the presence of arylhydroxylamines. *Monatshefte fur Chemie* 138 (6), pp. 603-606
66. Yavari, I., Bagheri, M., Porshamsian, K., Ali-Asgari, S. (2007) Efficient synthesis of N-substituted-N'-arylcarbonylthioureas under solvent-free conditions. *Journal of Sulfur Chemistry* 28 (3), pp. 269-273
67. Yavari, I., Ghazanfarpour-Darjani, M., Sabbaghan, M., Hossaini, Z. (2007) Synthesis of dimethyl 1,2-dihydroisoquinolines through the reaction of isoquinoline and dimethyl acetylenedicarboxylate in the presence of amides. *Tetrahedron Letters* 48 (21), pp. 3749-3751
68. Yavari, I., Kowsari, E. (2007) Ionic liquids as novel and recyclable reaction media for N-alkylation of amino-9,10-anthraquinones by trialkyl phosphites. *Tetrahedron Letters* 48 (21), pp. 3753-3756
69. Nourmohammadian, F., Yavari, I., Mohtat, B., Shafaei, S.Z. (2007) Density functional theory study of 9,10-anthraquinone and its structural isomers. *Dyes and Pigments* 75 (2), pp. 479-482
70. Yavari, I., Nader, Z.-S. (2007) Ab initio SCF-MO study of quinones of pyridine. *Dyes and Pigments* 75 (2), pp. 474-478
71. Yavari, I., Sabbaghan, M., Porshamsian, K., Bagheri, M., Ali-Asgari, S., Hossaini, Z. (2007) Efficient synthesis of alkyl 2-[2-(arylcarbonylimino)-3-aryl-4-oxo-1,3-thiazolan-5-ylidene]-acetates. *Molecular Diversity* 11 (2), pp. 81-85

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74. Yavari, I., Karimi, E. (2007) Synthesis of stable phosphorus ylides by the reaction of Ph<sub>3</sub>P with activated acetylenes in the presence of dimethyl methoxymalonate. *Phosphorus, Sulfur and Silicon and the Related Elements* 182 (3), pp. 595-600
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77. Yavari, I., Hossaini, Z., Sabbaghan, M. (2007) Synthesis and dynamic NMR study of functionalized 1-(3-furyl)-1H-indole-2, 3-diones. *Monatshefte fur Chemie* 138 (2), pp. 107-110
78. Yavari, I., Karimi, E. (2007) Synthesis of functionalized 1-azadienes by reaction of 2,6-dimethylphenyl isocyanide and acetylenic esters in the presence of CH acids. *Synthetic Communications* 37 (7), pp. 1189-1194
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80. Yavari, I., Mirzaei, A., Moradi, L., Mokhtarporiani-Sanandaj, A. (2007) Efficient synthesis of trialkyl (E)-3-{3-oxo-2,3,4-dihydro-2-(1H)-quinoxalinylidene}-prop-1-ene-1,2,3-tricarboxylates. *Synthetic Communications* 37 (7), pp. 1195-1200
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83. Yavari, I., Moradi, L., Mirzaei, A. (2006) One-pot synthesis of tetraalkyl benzene-1,2,3,5-tetracarboxylates from a four-component reaction of alkyl propiolates and alkyl 2-nitroethanoates promoted by Ph<sub>3</sub>P. *Helvetica Chimica Acta* 89 (12), pp. 2918-2921



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85. Yavari, I., Moradi, L. (2006) One-pot synthesis of pentaalkyl 7-[(alkylamino)carbonyl]-2-oxa-1-azabicyclo[3.2.0]hept-3-ene-3,4,5,6,7-pentacarboxylate. *Helvetica Chimica Acta* 89 (9), pp. 1942-1946
86. Yavari, I., Souri, S., Sirouspour, M., Djahaniani, H. (2006) Vinylphosphonium salt mediated reaction between alkyl propiolates and aminophenols or hydroxyphenols. *Synthesis* (19), pp. 3243-3249
87. Yavari, I., Sabbaghan, M., Hossaini, Z. (2006) Reaction of hexachloroacetone with activated acetylenes in the presence of N-heterocycles. Synthesis of trichloromethylated bridgehead N-heterocycles. *Synlett* (15), pp. 2501-2503
88. Yavari, I., Nasiri, F. (2006) Synthesis of 1-alkylamino-5-hydroxy-5-phenyl-2,3,4-tribenzoylcyclopenta-1, 3-dienes in the THF/H<sub>2</sub>O system. *Mendeleev Communications* (5), pp. 275-276
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