

Supplementary Material

Searching for a direct preparation of dihydropyrimidine-5-carboxamides under Biginelli reaction conditions

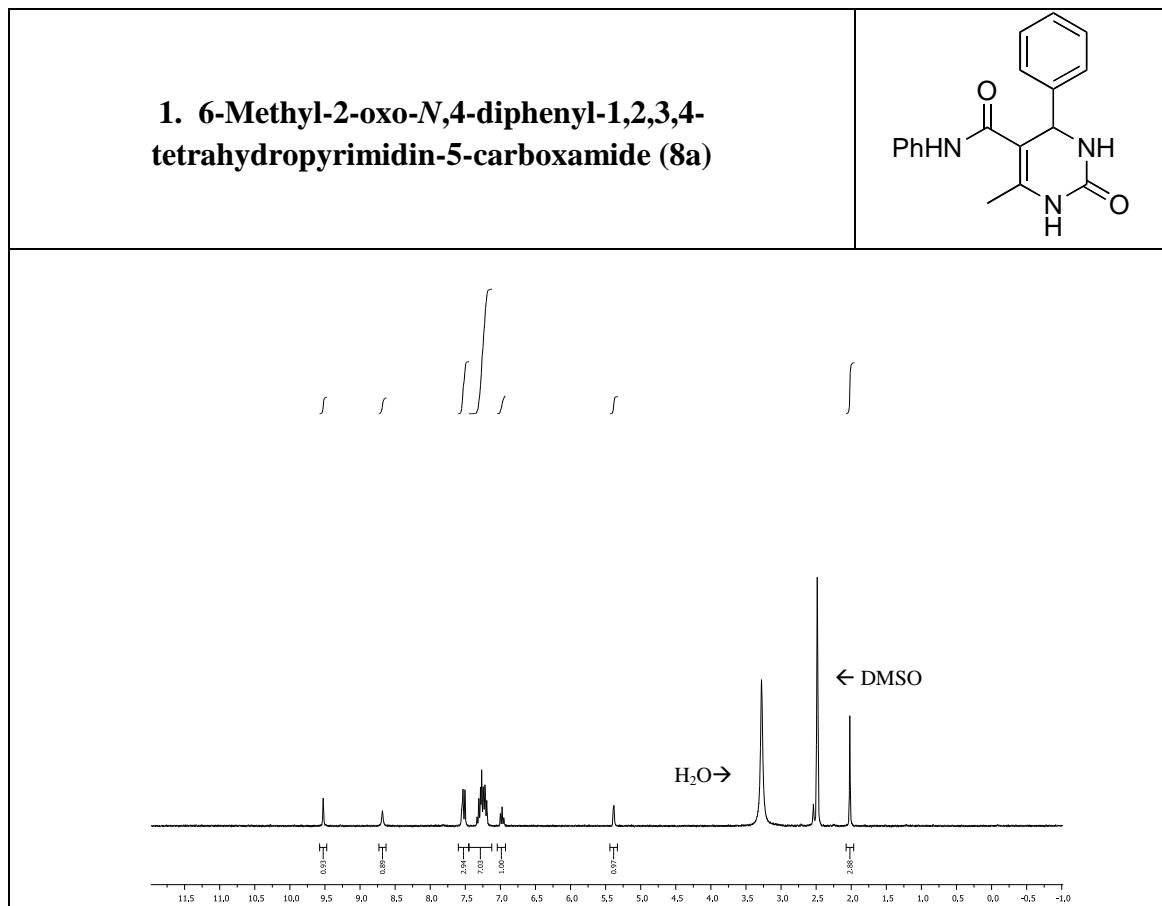
Irantzu Couto, Imanol Tellitu,* and Esther Domínguez

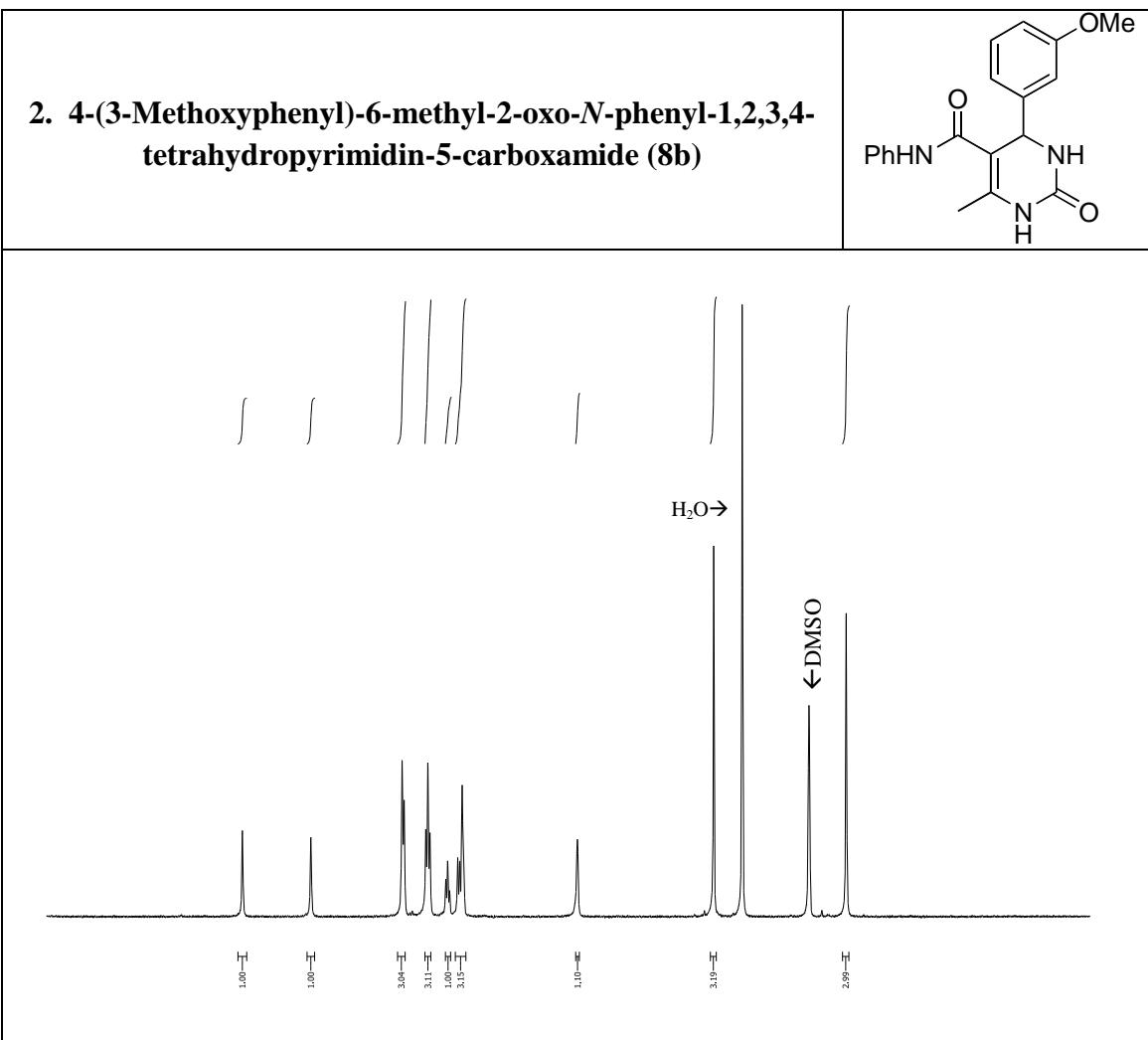
*Departamento de Química Orgánica II, Facultad de Ciencia y Tecnología,
Universidad del País Vasco – Euskal Herriko Unibertsitatea
48940 Leioa (Bizkaia), Spain
E-mail: imanol.tellitu@ehu.es*

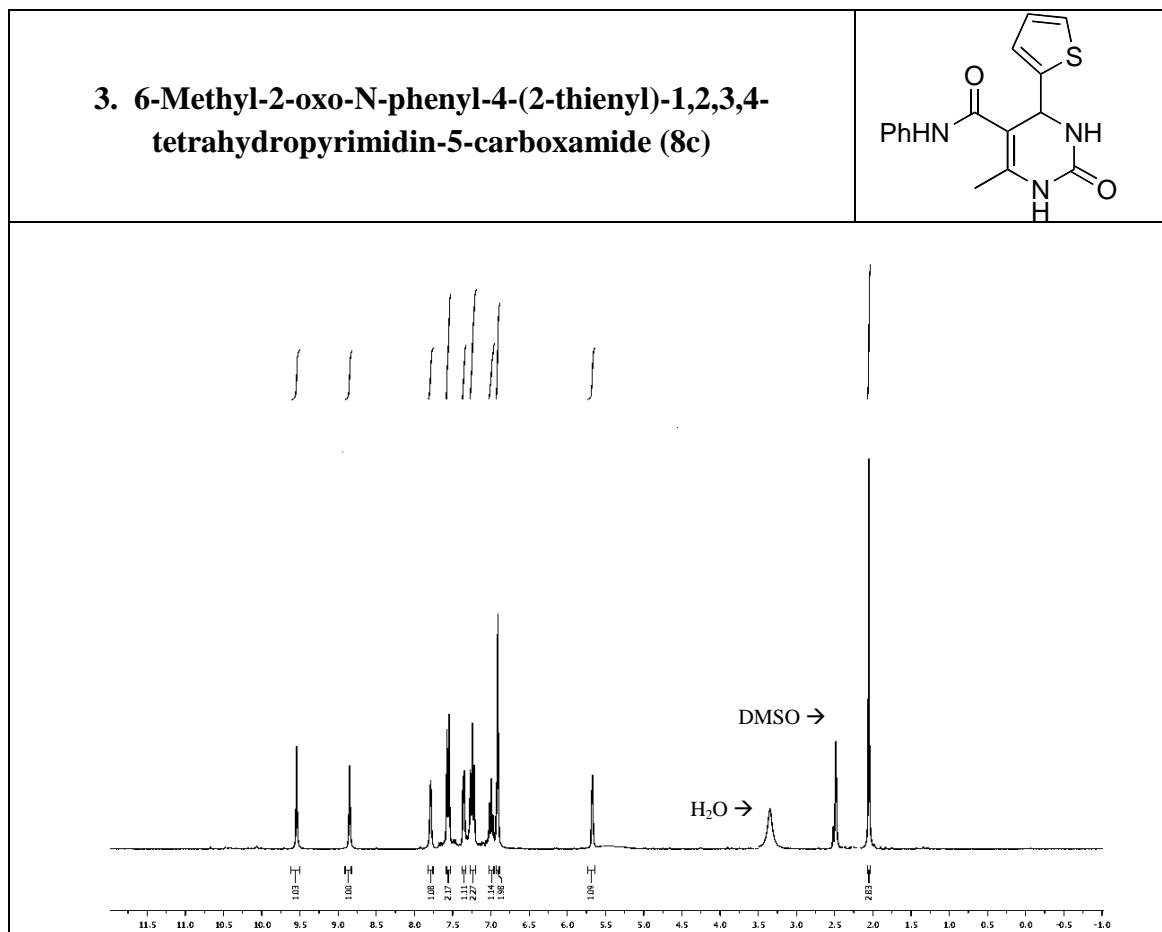
Table of Contents

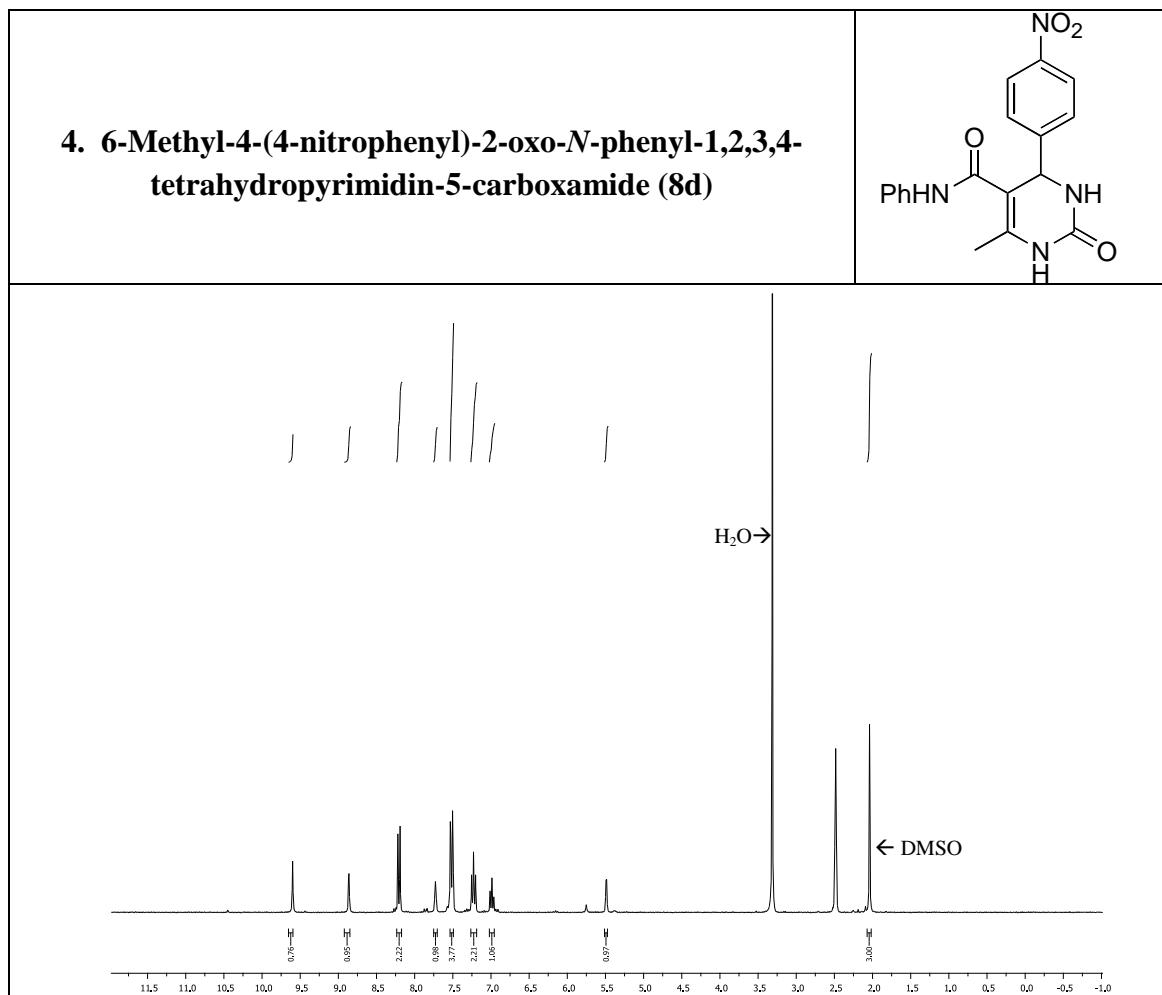
1. 6-Methyl-2-oxo- <i>N</i> ,4-diphenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8a)	2
2. 4-(3-Methoxyphenyl)-6-methyl-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8b).....	3
3. 6-Methyl-2-oxo- <i>N</i> -phenyl-4-(2-thienyl)-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8c)	4
4. 6-Methyl-4-(4-nitrophenyl)-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8d)	5
5. 1,6-Dimethyl-2-oxo- <i>N</i> ,4-diphenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8e)	6
6. 4-(3-Hydroxyphenyl)-1,6-dimethyl-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8f).....	7
7. 4-(2-Bromophenyl)-1,6-dimethyl-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8g)	8
8. 1,6-Dimethyl-4-isopropyl-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8h). .	9
9. 4-tert-Butyl-1,6-dimethyl-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8i) ..	10
10. 6-Methyl-2-oxo-4-phenyl-1,2,3,4 -tetrahydropyrimidin-5-carboxamide (8j)	11
11. 1,6-Dimethyl-2-oxo-4-phenyl-1,2,3,4 -tetrahydropyrimidin-5-carboxamide (8k)	12
12. 4-(3-Methoxyphenyl)-1,6-dimethyl-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8l)	13
13. 4-(3-Methoxyphenyl)-1,3,6-trimethyl-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8m)	14
14. 1,3,6-Trimethyl-2-oxo- <i>N</i> ,4-diphenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8n)	15
15. N-(p-Nitrophenyl)-1,3,6-trimethyl-2-oxo-4-phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8o)	16
16. 1,3-Diethyl-4-(3-methoxyphenyl)-6-methyl-2-oxo- <i>N</i> -phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8p)	17

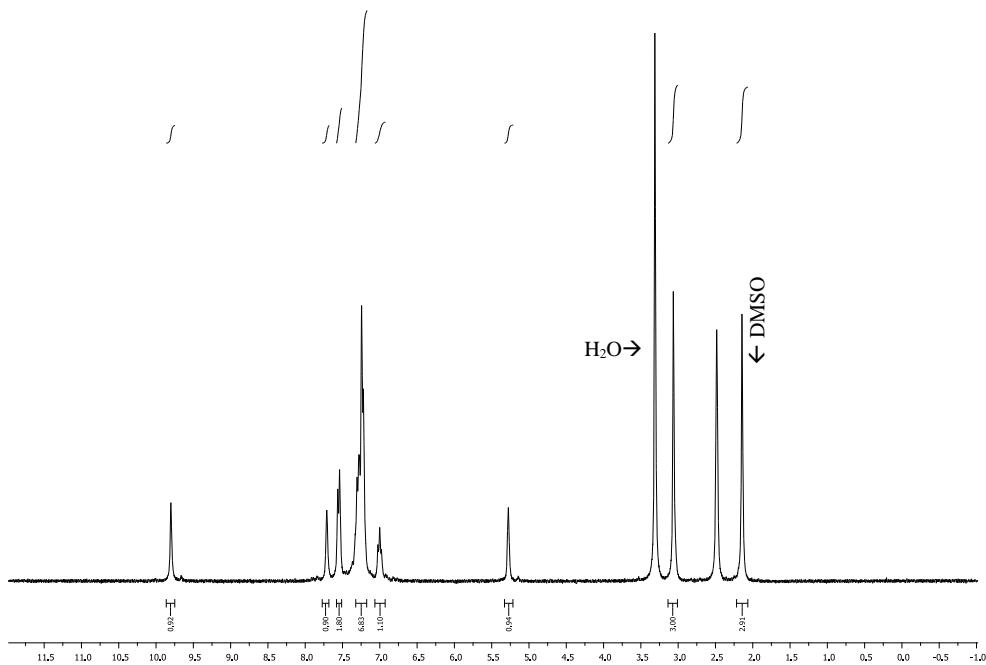
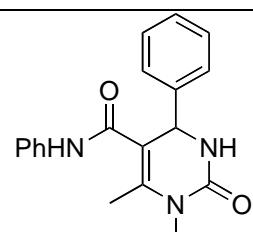
17. *N*-(2,4-dimethylphenyl)-4-phenyl-1,3,6-trimethyl-2-oxo-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8q) 18
18. 1,3,6-Trimethyl-2-oxo-4-phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8r) 19
19. 1,3,6-Trimethyl-4-(2-thienyl)-2-oxo-*N*-phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8s) 20
20. 1,3,6-Trimethyl-4-(o-nitrophenyl)-2-oxo-*N*-phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8t) 21

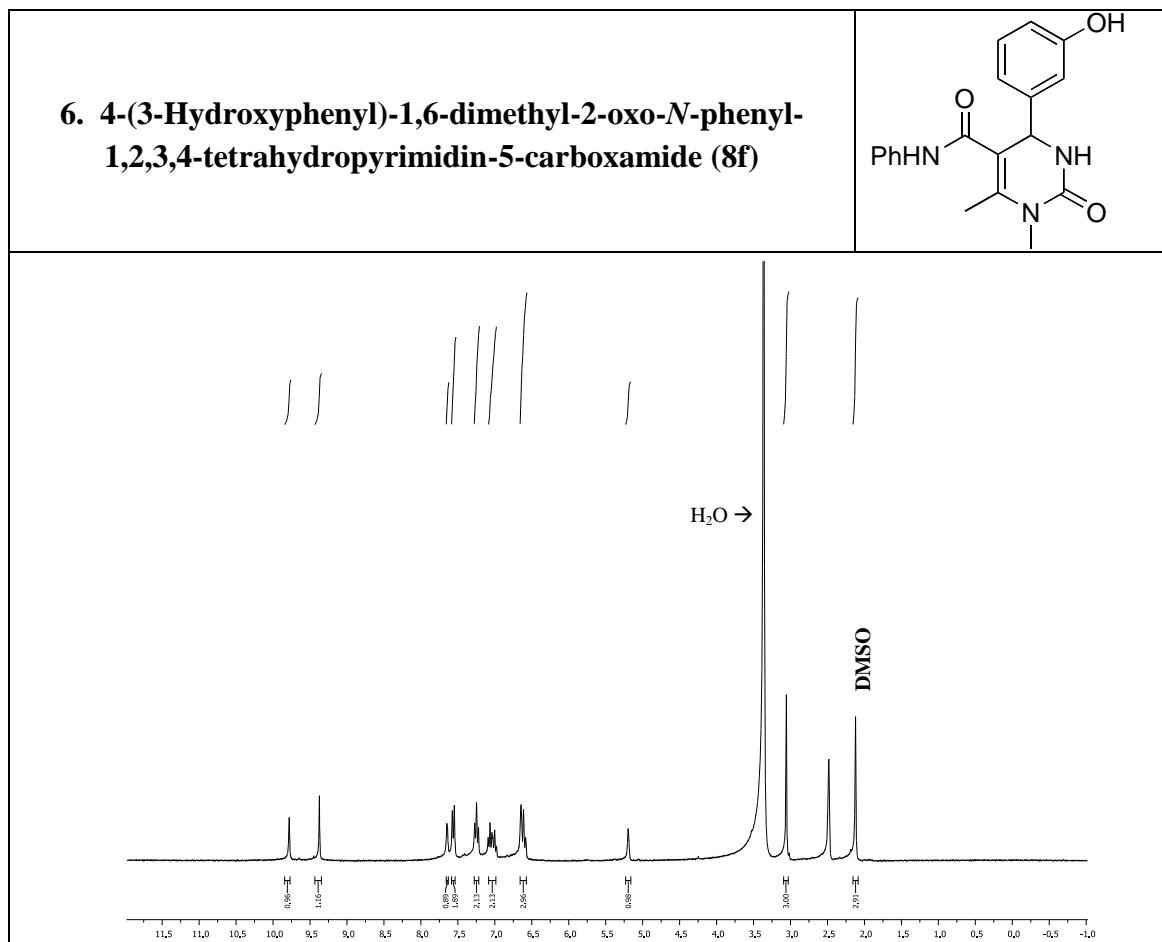


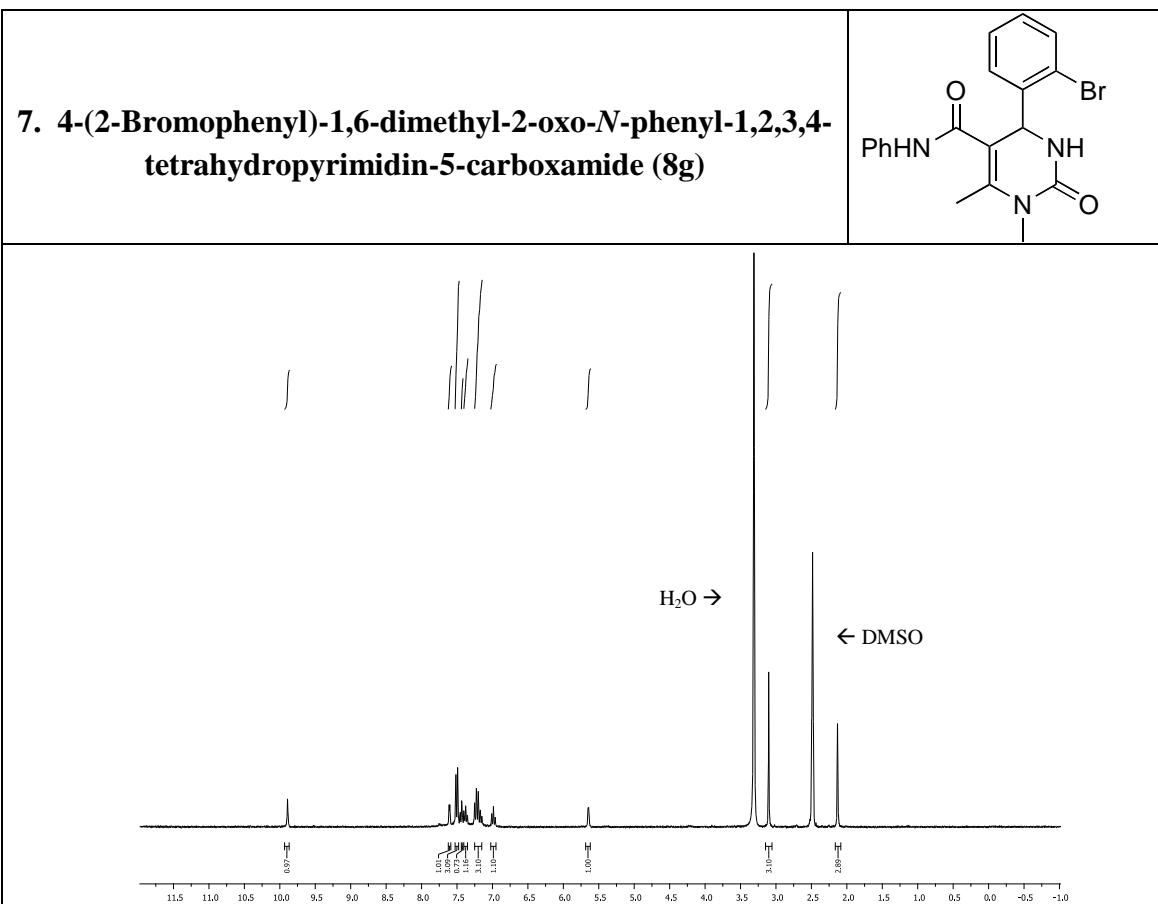






5. 1,6-Dimethyl-2-oxo-N,4-diphenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8e)





8. 1,6-Dimethyl-4-isopropyl-2-oxo-N-phenyl-1,2,3,4-tetrahydropyrimidin-5-carboxamide (8h)