



2H-Pyran-2-one-3-carbothioamide derivatives: Synthesis and reaction with hydrazine hydrate

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Auteur	Makhloufi-Chebli, Malika [1], Hamdi, Maamar [2], Silva, Artur M-S [3], Duval, Olivier [4], Helesbeux, Jean-Jacques [5]
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Résumé en anglais	<p>N-Aryl-4-hydroxy-6-methyl-2H-pyran-2-one-3-carbothiamides and N-aryl-4-hydroxycoumarin-3-carbothiamides were synthesized by the reaction of arylisothiocyanates with 4-hydroxy-6-methylpyran-2-one and 4-hydroxycoumarin, respectively. Novel products 3-[bis(arylamino)methylene]-6-methyl-2H,4H-pyran-2,4-diones and N,N'-diaryl-4-hydroxycoumarin-3-carboximidamides have also been obtained in the same reactions. Novel 4-acetoacetyl-3-phenylamino-4,5-dihydro-5H-pyrazol-5-ones were synthesized from the reaction of N-aryl-4-hydroxy-6-methyl-2H-pyran-2-one-3-carbothiamides with an excess of hydrazine. The structure of all compounds was established by NMR and mass spectra.</p>
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Liens

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- [4] <http://okina.univ-angers.fr/olivier.duval/publications>
- [5] <http://okina.univ-angers.fr/jeanjacques.helesbeux/publications>
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