International Conference on Natural Products and Physiologically Active Substances (ICNPAS-2004)
September 12-17, 2004, Novosibirsk, Russia
Poster Presentation

New Derivatives of 5-Hydroxy-7-methoxyflavanone

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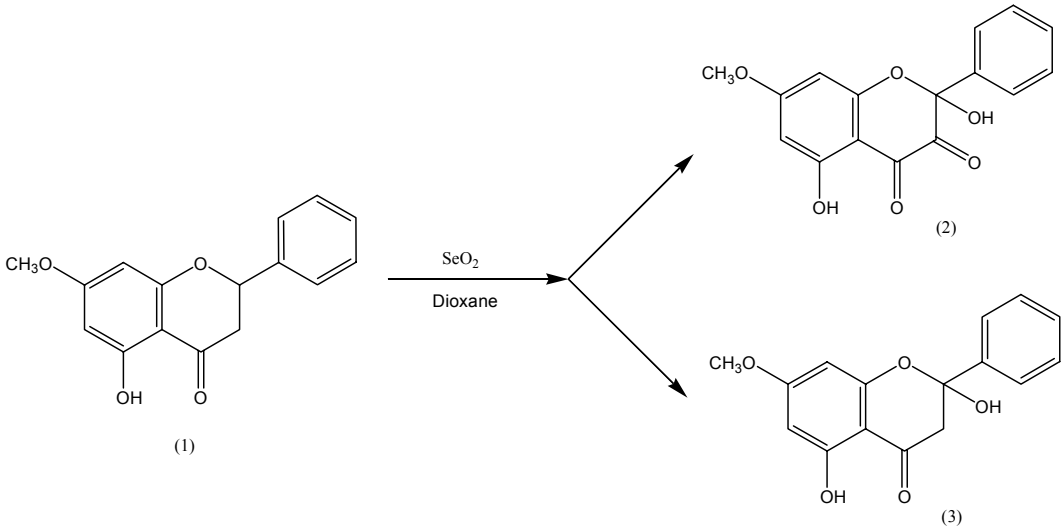
The presence of free hydroxygroups in the molecules of flavonoids is known to enhance the biological (antioxidant) activity [1].

This study was conducted to perform chemical transformation of the available flavonoid pinostrobine (5-hydroxy-7-methoxyflavone (**1**)) by selective hetero-phase oxidation which afforded new polyfunctional derivatives (**2**) and (**3**) that are valuable precursors for new biologically active compounds.



Ref.

[1]. T.S. Seitembetov, S.M. Adekenov, E.D. Dalenov // Antioxidants and initiated chemiluminescence. – Akmola, 1996. – 103 p.