

JOURNAL OF THE CHEMICAL SOCIETY

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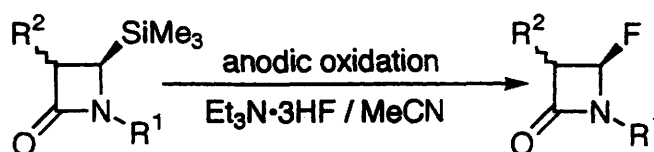
Organic and Bio-organic Chemistry

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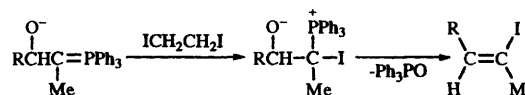
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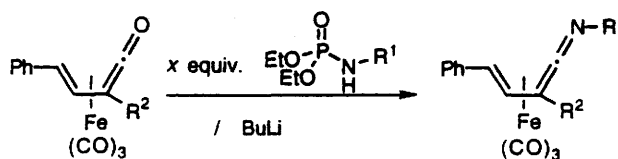
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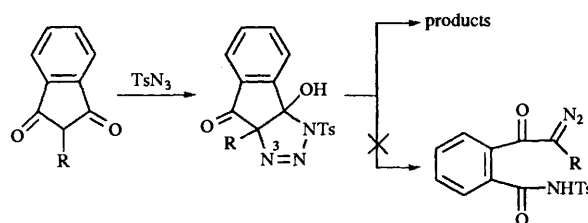
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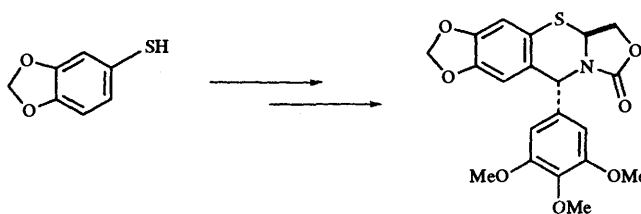
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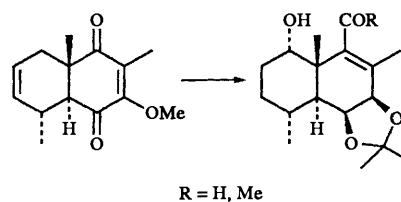
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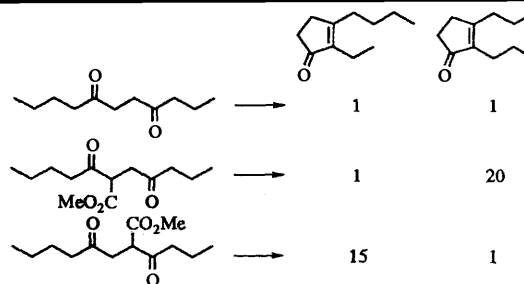
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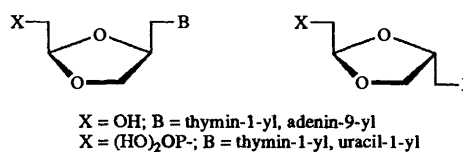
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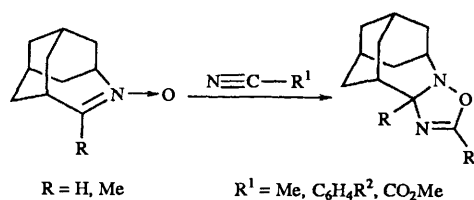
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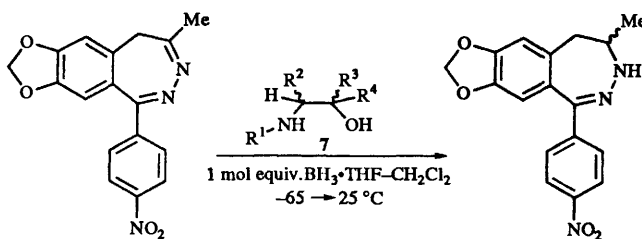
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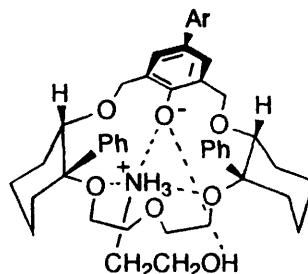
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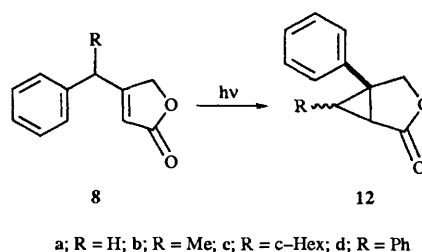
Koichiro Naemura, Sachiko Takeuchi, Masaki Asada, Koji Ueno, Keiji Hirose, Yoshito Tobe, Takahiro Kaneda and Yoshiteru Sakata



Azophenolic crown ethers of C_2 symmetry incorporating *cis*-1-phenylcyclohexane-1,2-diol residues as a steric barrier have been prepared and shown to bind ethanolamine stereoselectively to form one of the possible diastereoisomeric complexes

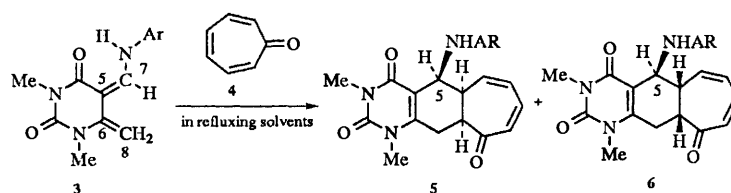
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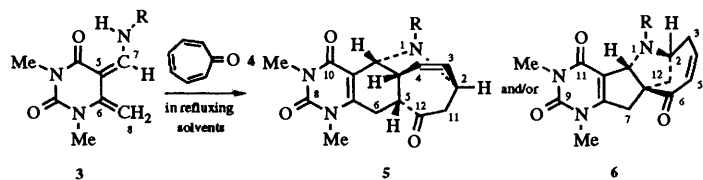
Ken Ikuno, Takashi Kobayashi, Toshio Harada, Michihiko Noguchi and Akikazu Kakehi



The dienes **3** react with tropone **4** regioselectively to afford *endo*-**5** and *exo*-[4 + 2] cycloadducts **6**, the chemical behaviour of which is discussed

1453 **Studies on fused pyrimidine derivatives. Part 15. Features and mechanistic considerations of the reaction of 5-(alkylaminomethylene)-6-methyleneperhydropyrimidine-2,4-diones with tropone**

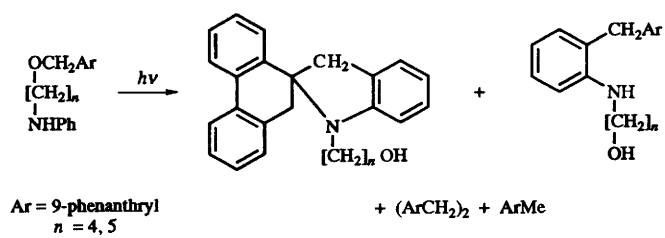
Takashi Kobayashi, Ken Ikuno, Michihiko Noguchi and Akikazu Kakehi



The reaction pathways to products **5** and **6** via the corresponding [4 + 2] cycloadducts are discussed using the results of PM3 calculations

1459 **Photocleavage of the C–O bond of 9-phenanthrylmethyl ω -anilinoalkyl ethers via photo-induced intramolecular electron transfer**

Akira Sugimoto, Satoshi Kimoto, Tomohiro Adachi and Hiroo Inoue



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