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Intramolecular Diels-Alder reaction of an isobenzofuran: a convergent synthesis of resistomycin

Keay, Brian A.; Rodrigo, R.

American Chemical Society

Keay, B.A. and Rodrigo, R.. (1982). "Intramolecular Diels-Alder reaction of an isobenzofuran: a convergent synthesis of resistomycin". *Journal of the American Chemical Society*, 104, No. 17: 4725-4727.

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Citation:

Intramolecular Diels-Alder reaction of an isobenzofuran: a convergent synthesis of resistomycin

B. A. Keay and R. Rodrigo

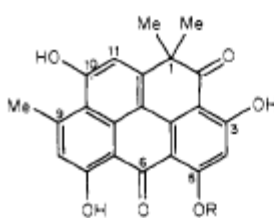
pp 4725 – 4727.

DOI: [10.1021/ja00381a059](https://doi.org/10.1021/ja00381a059)

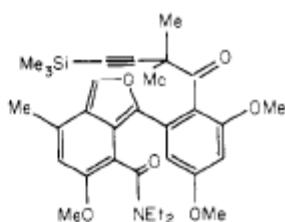
Charts:

(see below)

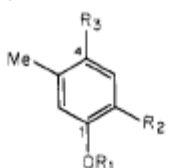
Chart I



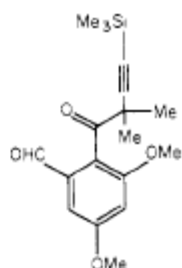
1, R = H
22, R = Me



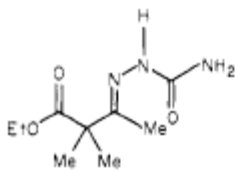
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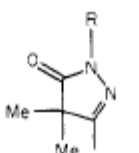
3, R₁ = Me; R₂ = CONEt₂; R₃ = CHO
5, R₁ = R₂ = H; R₃ = Me
6, R₁ = CH₂OMe; R₂ = CONEt₂; R₃ = Me
7, R₁ = R₃ = Me; R₂ = CONEt₂



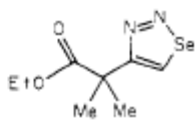
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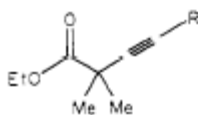
8
9, Z isomer of 8



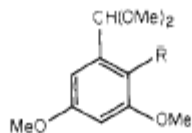
10, R = CONH₂
12, R = H



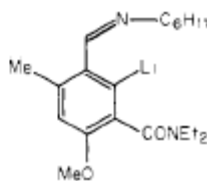
11



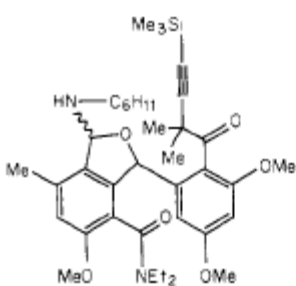
13, R = H
14, R = Me₃Si



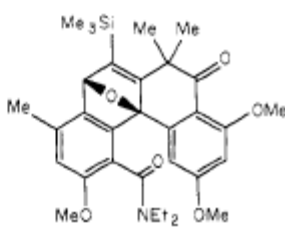
15, R = Br
16, R = Li



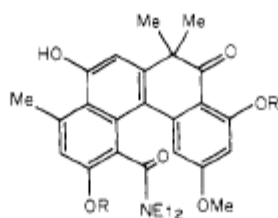
17



18



19



20, R = Me
21, R = H