

JOURNAL OF THE CHEMICAL SOCIETY

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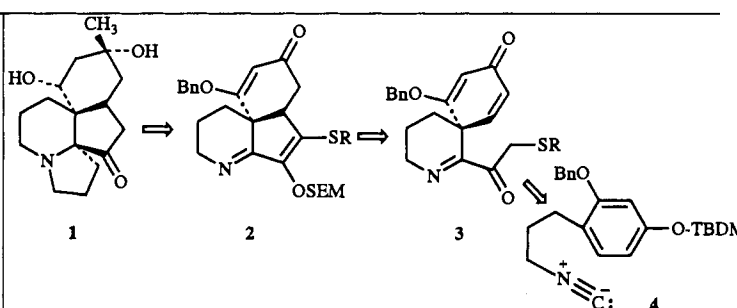
Organic and Bio-organic Chemistry

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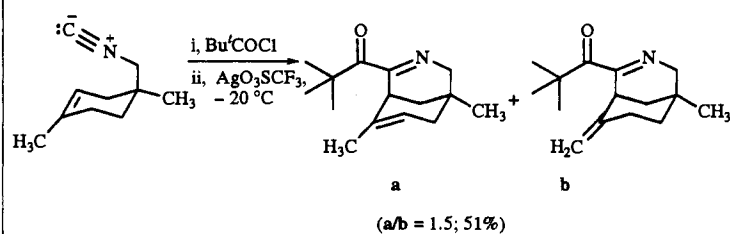
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Gregory Luedtke and Tom Livinghouse



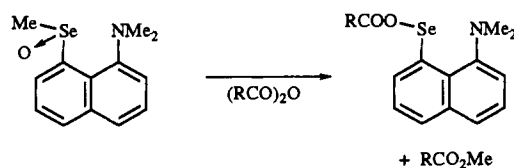
- 2373 On the scope of acylnitrilium ion initiated heteroannulations: monocyclizations terminated by unactivated alkenes

David J. Hughes and Tom Livinghouse



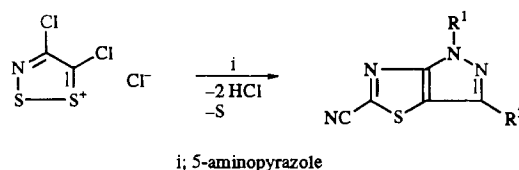
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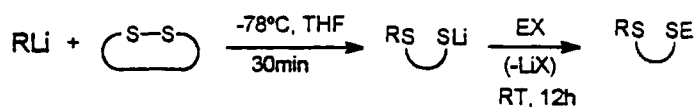
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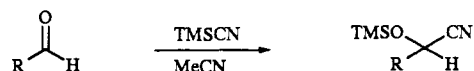
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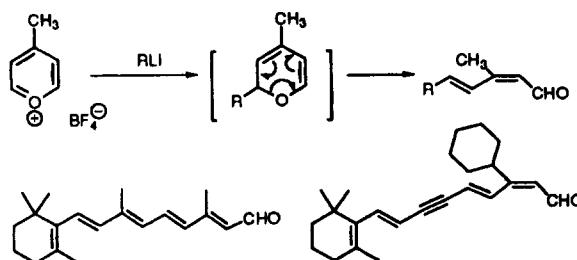
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2383 **Uncatalysed trimethylsilyl cyanide addition to aldehydes**

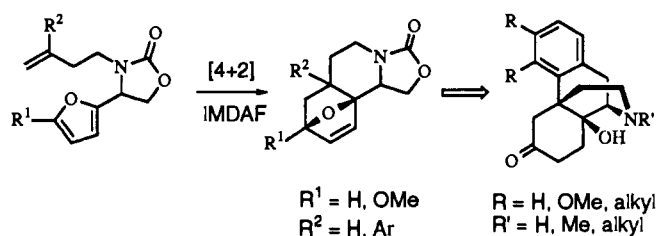
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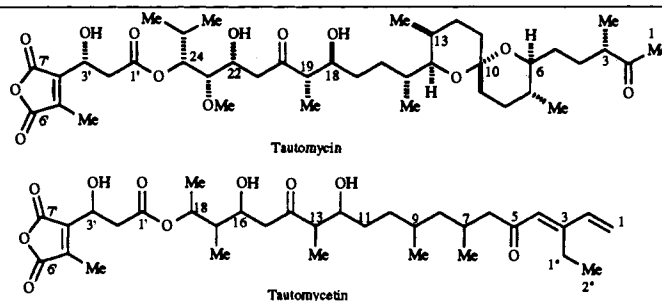
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Tomas Hudlicky, Gabor Butora, Stephen P. Fearnley, Andrew G. Gum, P. J. Persichini III, Michele R. Stabile and Joseph S. Merola

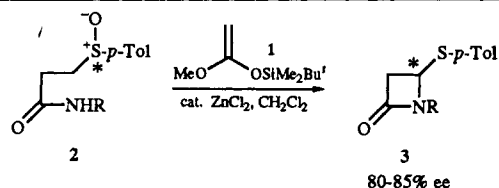
- 2399 **Biosynthesis of the dialkylmaleic anhydride-containing antibiotics, tautomycin and tautomycetin**

Makoto Ubukata, Xing-Chun Cheng,  
Jun Uzawa and Kiyoshi Isono



- 2405 **Highly asymmetric Pummerer-type cyclization of chiral, non-racemic  $\beta$ -amido sulfoxides**

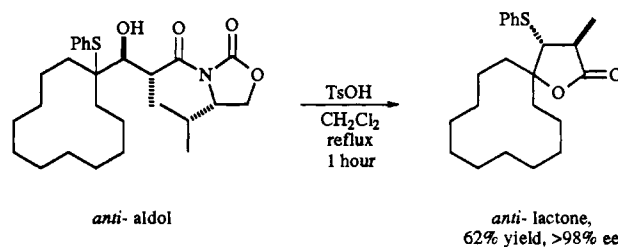
Yasuyuki Kita, Norio Shibata, Noriyuki Kawano, Takashi Tohjo, Chino Fujimori, Keita Matsumoto and Shigekazu Fujita



The chiral, non-racemic  $\beta$ -amido sulfoxides **2** reacted with the *O*-silylated ketene acetal **1** in  $\text{CH}_2\text{Cl}_2$  to give the corresponding  $\beta$ -lactams in more than 80% ee

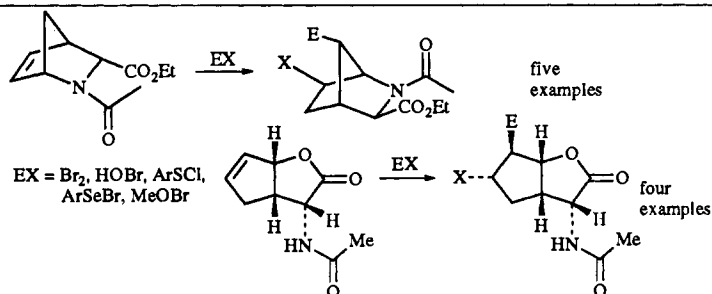
- 2411 **Asymmetric aldol reactions of achiral 2-phenylsulfanyl aldehydes with small- and medium-sized carbocyclic rings: the synthesis of homochiral spirocyclic lactones, pyrrolidines and tetrahydrofurans**

Kelly Chibale and Stuart Warren



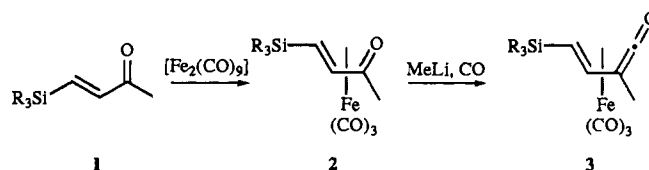
- 2419 **Reactions of ethyl 2-acetyl-2-azabicyclo[2.2.1]hept-5-ene-3-carboxylate and 4-acetyl-amino-2-oxabicyclo[3.3.0]oct-7-en-3-one with some electrophiles**

Michael B. Hursthouse, K. M. Abdul Malik, David E. Hibbs, Stanley M. Roberts, Amanda J. H. Seago, Vladimir Šik and Richard Storer



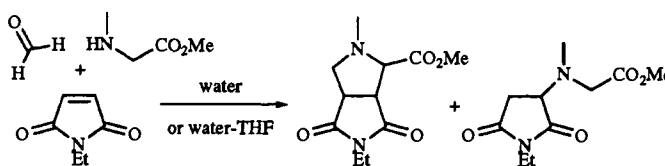
- 2427 **Synthesis and reactivity of iron carbonyl complexes of  $\beta$ -silyl substituted  $\alpha,\beta$ -unsaturated ketones**

Susan E. Gibson (née Thomas) and Gary J. Tustin



- 2433 **Reactivity of the carbonyl group in water. Generation of azomethine ylides from aqueous formaldehyde: Michael addition versus dipolar trapping**

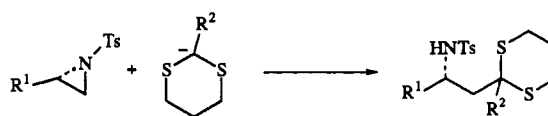
André Lubineau, Giliane Bouchain and Yves Queneau



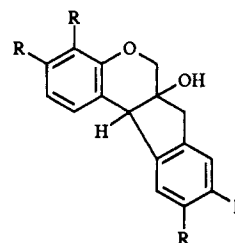
Pyrrolidines were prepared by azomethine ylide cycloadditions using water or water-THF mixtures as solvent

2439 **Ring-opening of *N*-tosyl aziridines by 2-lithiodithianes**

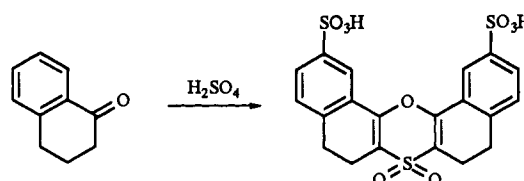
William Howson, Helen M. I. Osborn and Joseph Sweeney

Ring-opening of *N*-tosylaziridines by dithiane anions is described2447 **Synthesis and sweet taste of optically active (-)-haematoxylin and of some ( $\pm$ )-haematoxylin derivatives**

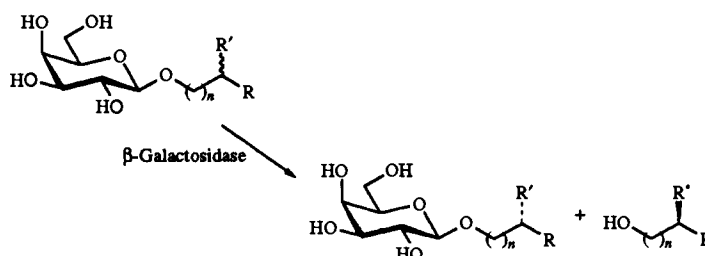
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 $R = H, OH$  or  $OMe$ 

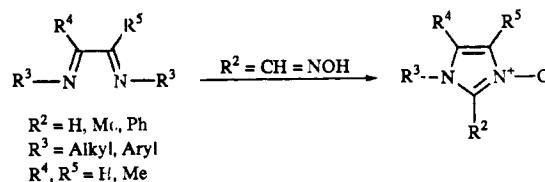
The structure-taste relationship in these compounds is discussed in terms of the most recent models of the sweet taste receptor

2455 **Novel and unexpected one-pot synthesis of 7,7-dioxo-14-oxa-7 $\lambda^6$ -thiadibenzo[*a*,*j*]anthracene-2,12-disulfonic acid from  $\alpha$ -tetralone**M<sup>a</sup> Fé de la Torre, M<sup>a</sup> Luisa Mussons, César Raposo, José Luis López, Josefa Anaya, M<sup>a</sup> Cruz Caballero and Joaquín R. MoránThe title and other related polysulfonated compounds have been synthesized from  $\alpha$ -tetralone and fuming sulfuric acid. Compound 1 forms a complex with 9-ethyladenine.2459 **Substrate structure and incubation-parameter-dependent selectivities in chiral discrimination of galactopyranosides by  $\beta$ -galactosidase hydrolysis**

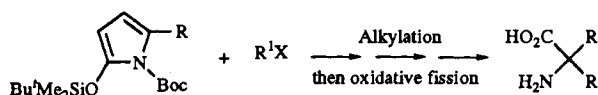
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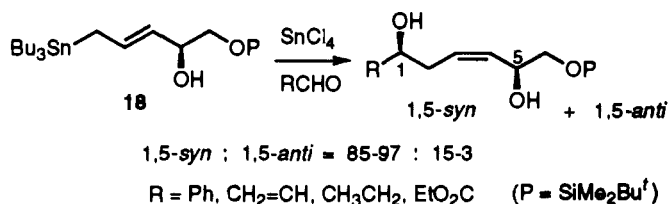
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Franca Zanardi, Lucia Battistini, Gloria Rassa, Mara Cornia and Giovanni Casiraghi

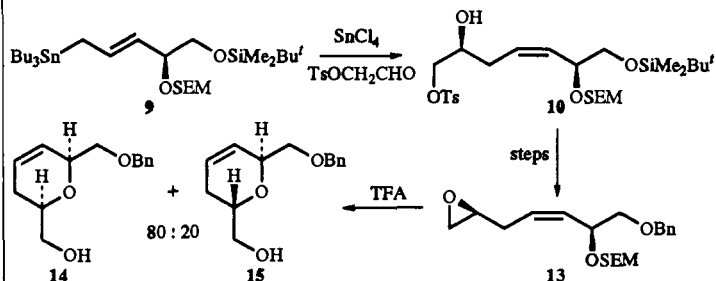


2477 **1,5-Asymmetric induction in reactions between aldehydes and [(4*S*)-5-(*tert*-butyldimethylsilyloxy)-4-hydroxypent-2-enyl](tributyl)stannane promoted by tin(IV) chloride**



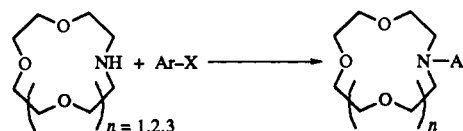
Robert J. Maguire and Eric J. Thomas

2487 **Stereoselective synthesis of *cis*- and *trans*-2,6-disubstituted 5,6-dihydro-2*H*-pyrans based on 1,5-asymmetric induction in reactions between allylstannanes and aldehydes promoted by tin(IV) chloride**



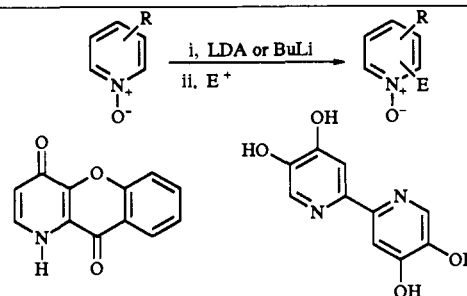
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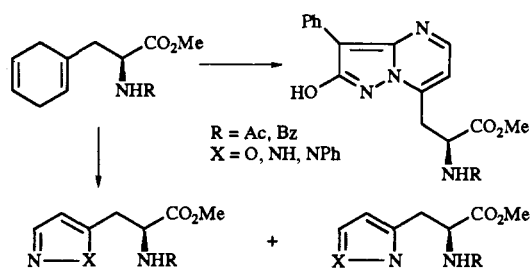
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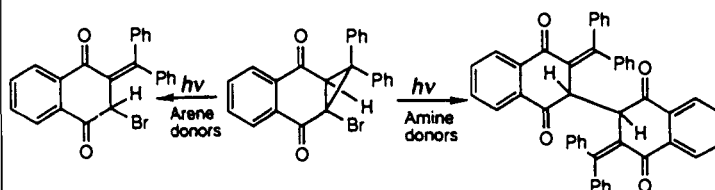
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Gury Zvilichovsky and Vadim Gurvich

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**M. Yoshioka, K. Nishizawa, J. Suzuki, Y. Iwata, S. Kumakura and T. Hasegawa**

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Preparation and enantiomer recognition behaviour of azophenolic crown ethers containing *cis*-1-phenylcyclohexane-1, 2-diol as the chiral subunit and 2,4-dinitrophenylazophenol as the chromophore

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**Perkin Transactions 1**

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