



## Tetrahedron Vol. 65, Issue 32, 2009

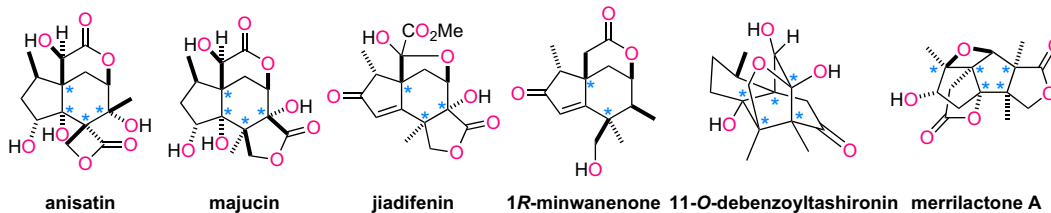
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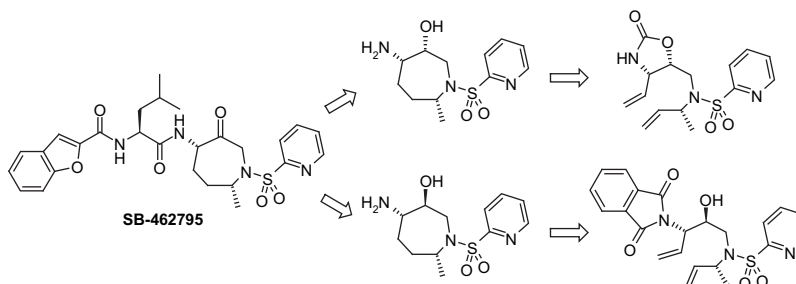


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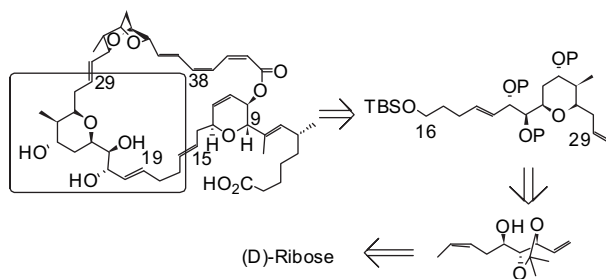
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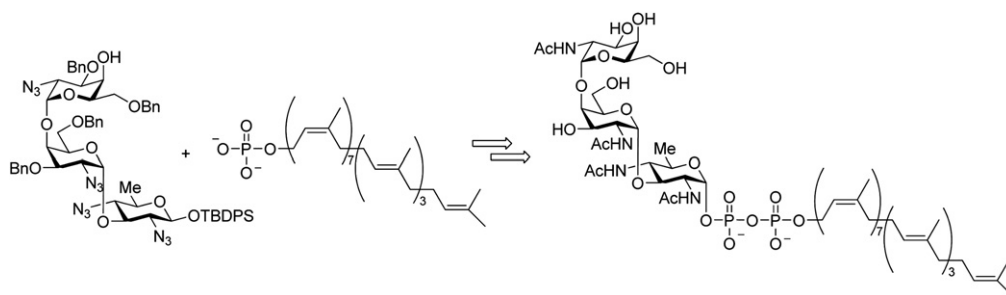
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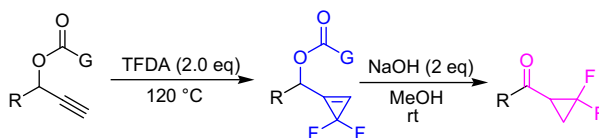
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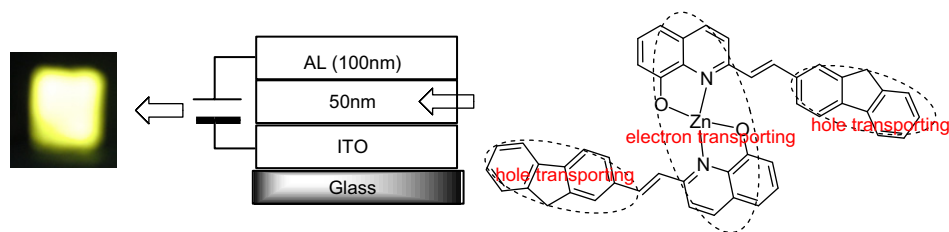
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**Synthesis of light-emitting materials bis-[2'-2''-(9H-fluoren-2-yl)-vinyl-8-hydroxyquinoline] zinc(II) and bis-[2'-4''-(4,5-diphenyl-1H-imidazol-2-yl)styryl-8-hydroxyquinoline] zinc(II)**

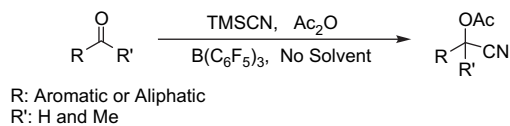
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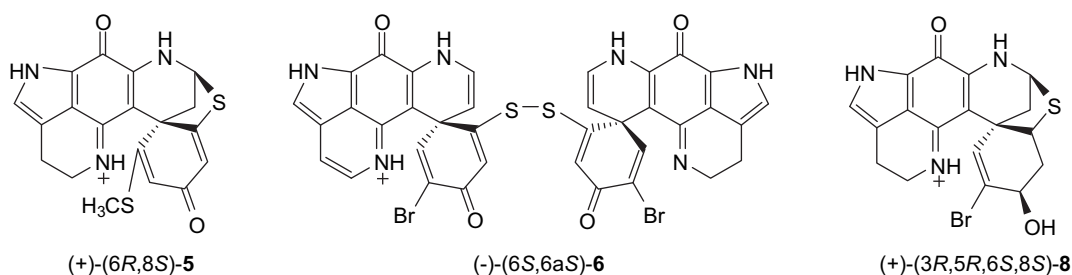
Santosh T. Kadam, Sung Soo Kim\*



Variety of aldehydes or ketones react with TMSCN and acetic anhydride (Ac<sub>2</sub>O) to give good to excellent yield of the *O*-acetylcyanohydrins under the influence of 1 mol % of B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub> without solvent at rt. The major advantage of the method is the lowest catalyst quantity under solvent-free condition.

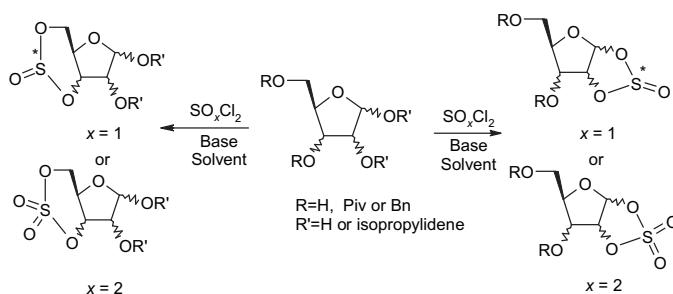
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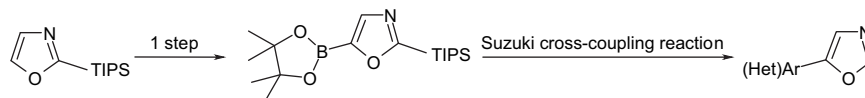
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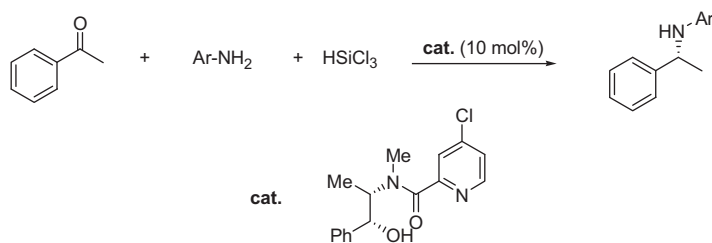
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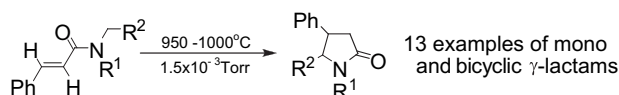
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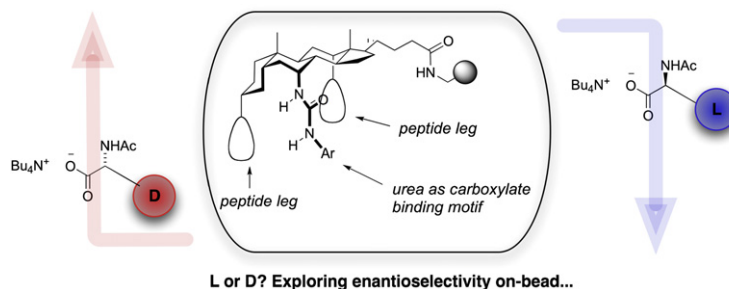
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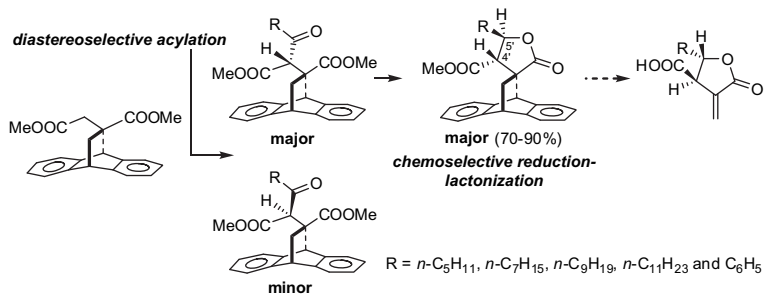
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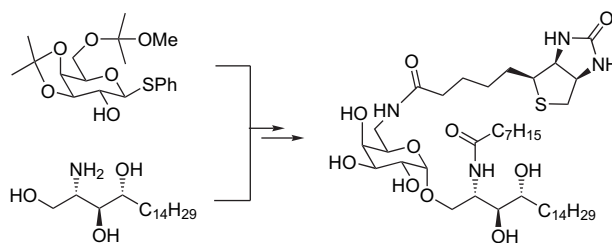
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**Facile synthesis of biotin-labelled  $\alpha$ -galactosylceramide as antigen for invariant natural killer T cells**

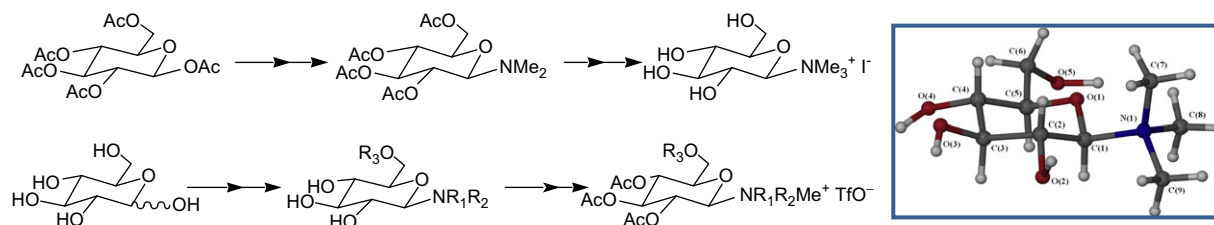
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Chengfeng Xia, Wenpeng Zhang, Yalong Zhang, Robert L. Woodward, Jinhua Wang, Peng G. Wang\*

**Syntheses and structures of anomeric quaternary ammonium  $\beta$ -glucosides and comments on the anomeric C–N bond lengths**

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Lisa Iddon, Ryan A. Bragg, John R. Harding, Chandrakala Pidathala, John Bacsá, Anthony J. Kirby, Andrew V. Stachulski\*

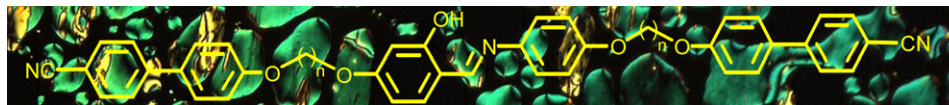


We report convenient syntheses of anomeric quaternary ammonium  $\beta$ -glucosides in both protected and deprotected forms, together with X-ray structural investigations of two of the products, and we comment on the anomeric C–N bond lengths and the stabilities of the products.

**Synthesis and thermal properties of liquid crystal trimers comprising cyanobiphenyl and salicylaldimine anisometric segments**

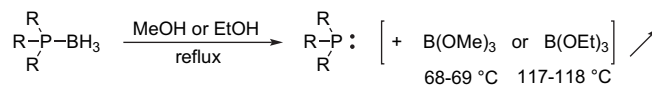
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Michel Van Overschelde, Elias Verweken, Sachin G. Modha, Simon Cogen, Erik Van der Eycken, Johan Van der Eycken\*



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