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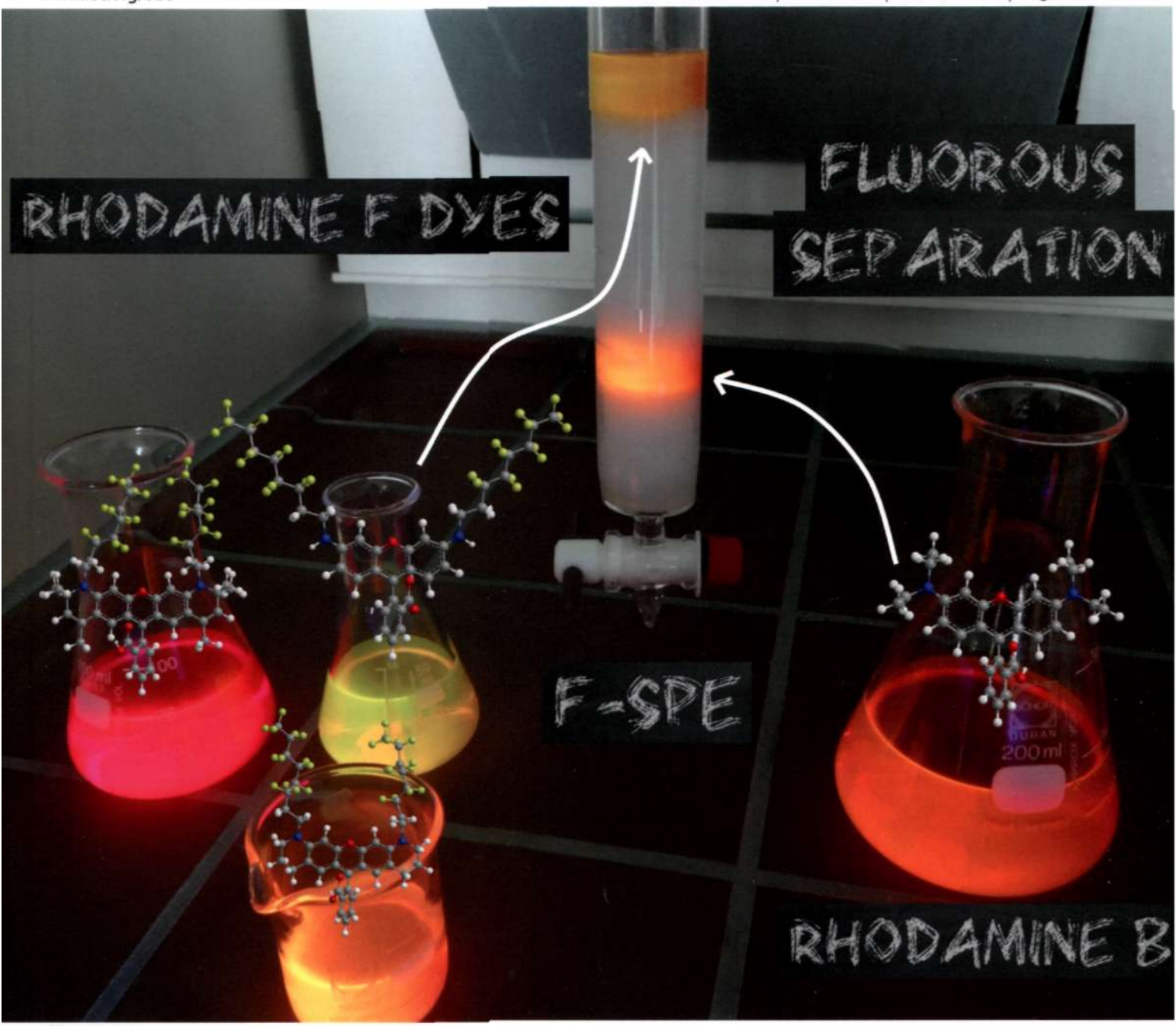

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PAPER

Stefan Bräse *et al.*

Rhodamine F: a novel class of fluorous ponytailed dyes for bioconjugation

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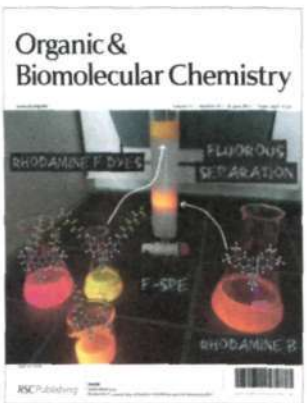

Cover
See Stefan Bräse *et al.*, pp. 3954–3962.

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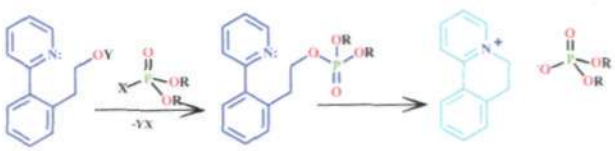
Inside cover
See Dariush Ajami and Julius Rebek, Jr., pp. 3936–3942.

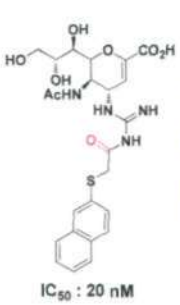
Like enzyme active sites, deep cavitands fold around their targets, isolate them from the bulk solvent in a hydrophobic pocket and present them with reactive functional groups. The figure shows a stabilized hemiacetal in a cavitand.

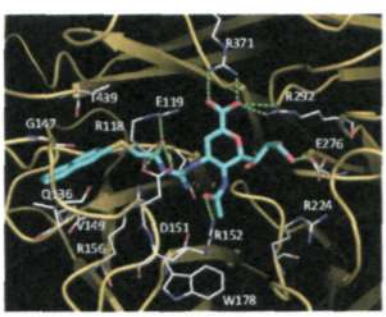
Image reproduced by permission of Julius Rebek, Jr. from *Org. Biomol. Chem.*, 2013, **11**, 3936.

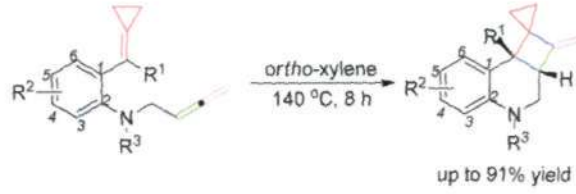
PERSPECTIVE



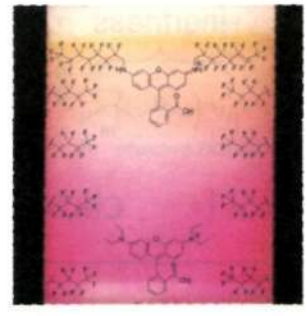
COMMUNICATIONS

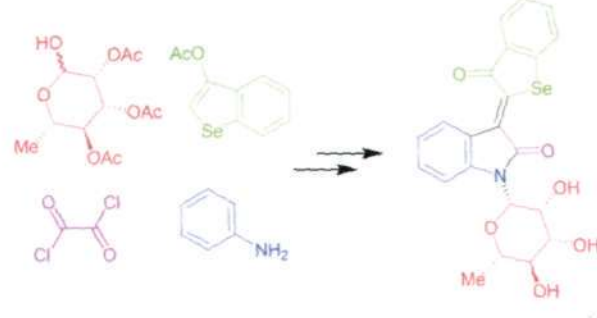


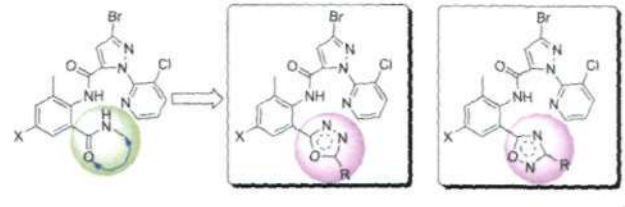


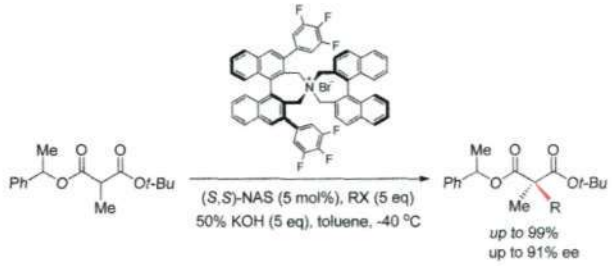


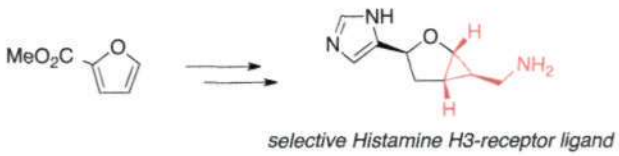
R^1 = C_6H_5, 4-ClC_6H_4, 4-MeC_6H_4, 4-FC_6H_4, Me;
R^2 = 5-Cl, 4-OMe, H;
R^3 = Ts, Ns, Bs, Ac, Bz, SO_2Ph, SO_2(o-$NO_2C_6H_4$)

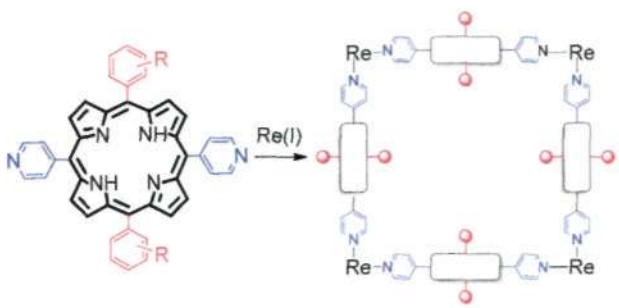


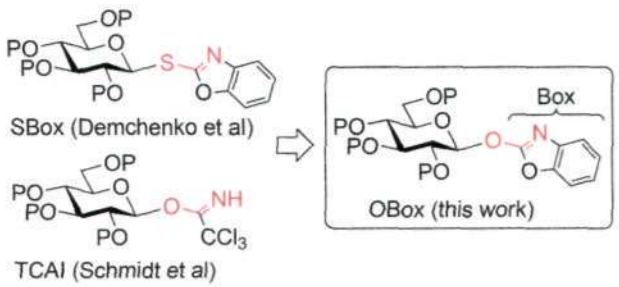












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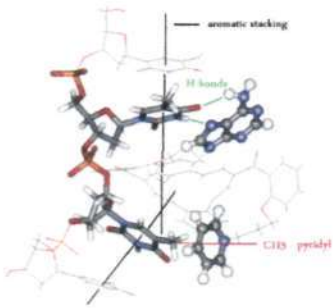
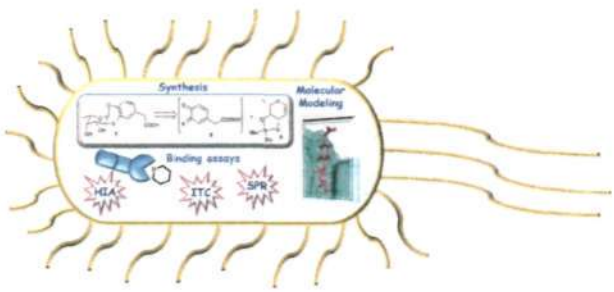


Dibenzotetraaza[14]annulene–adenine conjugate recognizes complementary poly dT among ss-DNA/ss-RNA sequences

Marijana Radić Stojković, Marko Škugor, Sanja Tomić, Marina Grabar, Vilko Smrečki, Łukasz Dudek, Jarosław Grolik, Julita Eilmes* and Ivo Piantanida*

DBTAA–$(CH_2)_3$–adenine: the first small molecule able to recognize consecutive oligo dT sequence by affinity and specific chirooptical (ICD) response.

4086

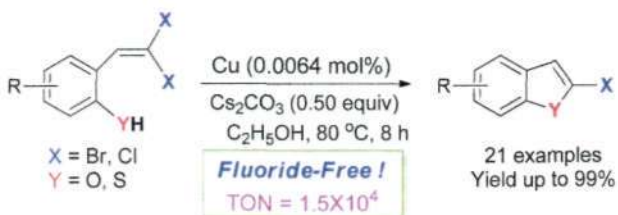


Synthesis of a selective inhibitor of a fucose binding bacterial lectin from *Burkholderia ambifaria*

Barbara Richichi,* Anne Imberty, Emilie Gillon, Rosa Bosco, Ieva Sutkeviciute, Franck Fieschi and Cristina Nativi

The stereoselective synthesis of the new fucose-based derivative **1**, as the first example of glycomimetics selectively recognized by the fucose-binding lectin BambL from *Burkholderia ambifaria*, is described.

4095

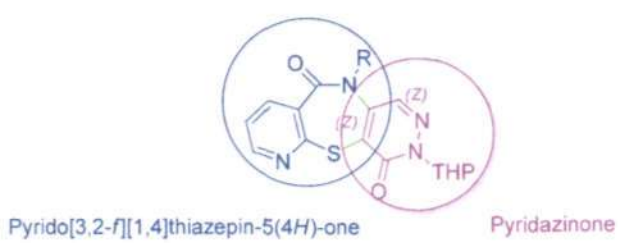


Trace amount Cu (ppm)-catalyzed intramolecular cyclization of 2-(*gem*-dibromovinyl)phenols-(thiophenols) to 2-bromobenzofurans(thiophenes)

Yong Ji, Pinhua Li, Xiuli Zhang* and Lei Wang*

An intramolecular cyclization of 2-(*gem*-dibromovinyl)-phenols(thiophenols) to give 2-bromobenzofurans-(thiophenes) in the presence of Cu (25 ppm, 0.0064 mol%) has been developed.

4102



A transition metal-free tandem process to pyridazinopyrido[3,2-*f*][1,4]thiazepine-diones *via* Smiles rearrangement

Xiaoyi Niu, Bingchuan Yang, Yanqiu Li, Shuai Fang, Zixiao Huang, Caixia Xie and Chen Ma*

A transition metal-free methodology for the synthesis of pyridazinopyrido[3,2-*f*][1,4]thiazepine-diones was studied. The high yields of pure products were obtained by recrystallization *via* a one-pot coupling–Smiles rearrangement–cyclization process.

4109

Biocompatible, multifunctional, and well-defined OEG-based dendritic platforms for biomedical applications

Lorena Simón-Gracia, Daniel Pulido, Chantal Sevrin, Christian Grandfils, Fernando Albericio* and Miriam Royo*

Multifunctional and well-defined OEG-based dendron platforms with high chemical versatility and biocompatibility have been described as being useful for biomedical applications.