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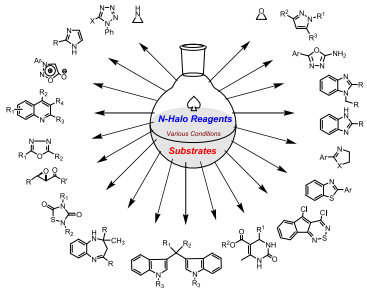
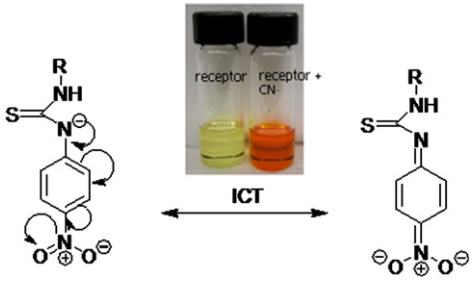
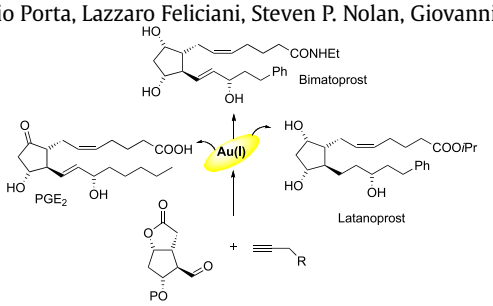
Contents

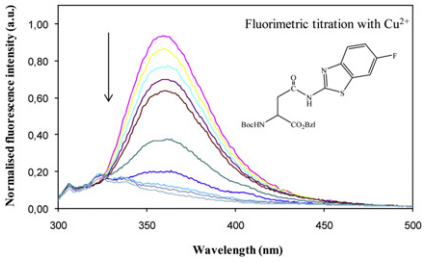
REPORT

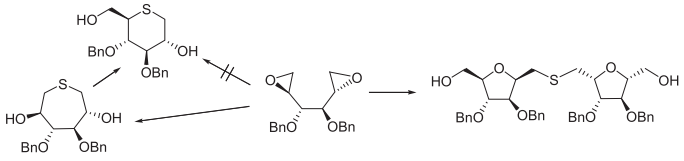


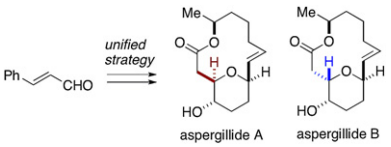
ARTICLES

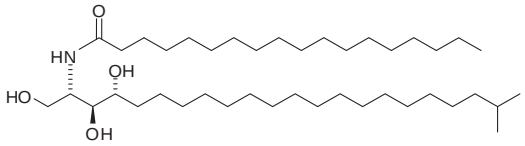




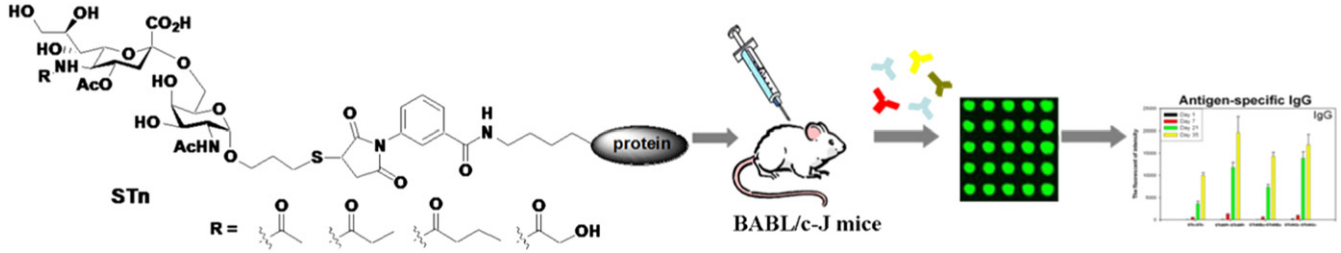


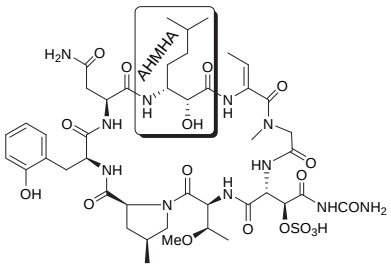




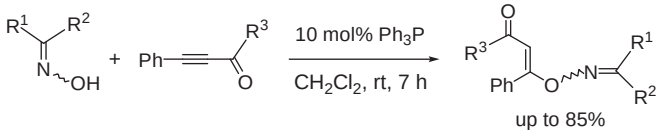


1b

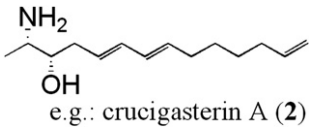




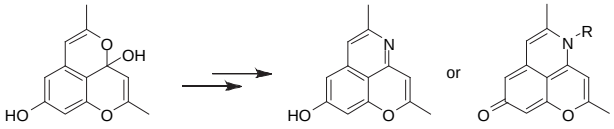
Perthamide C

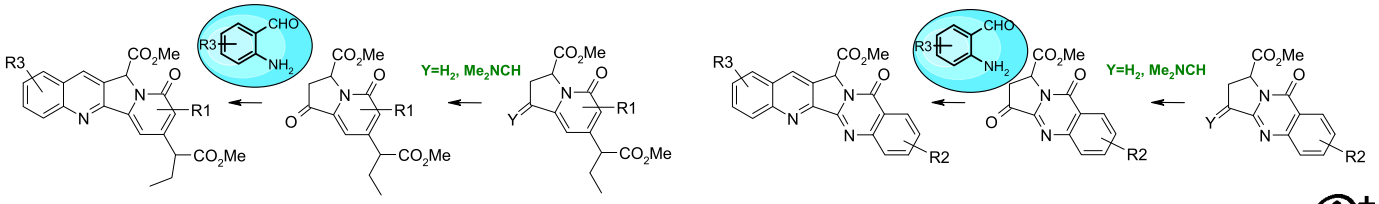


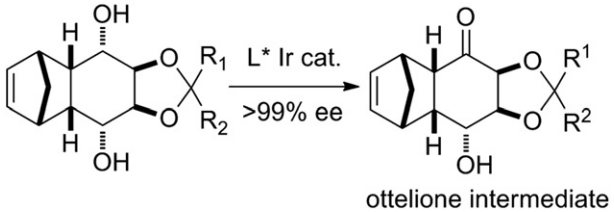
up to 85%



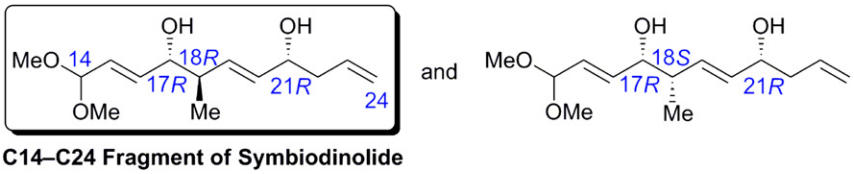
e.g.: crucigasterin A (**2**)



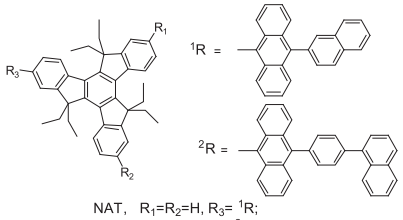




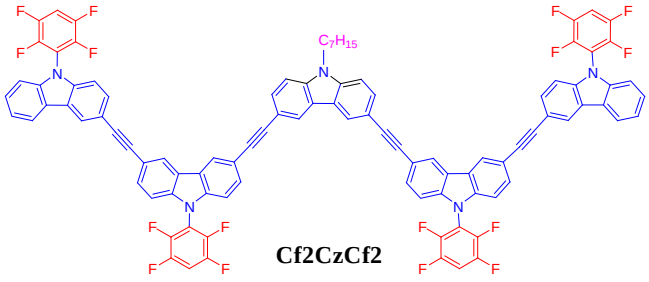
ottelione intermediate



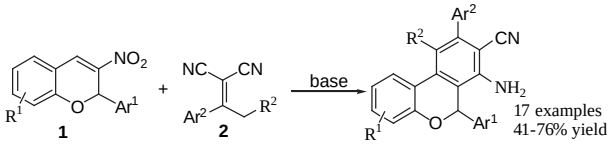
C14–C24 Fragment of Symbiodinolide

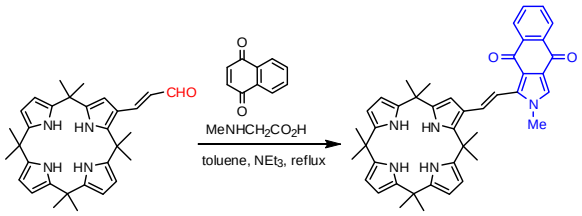


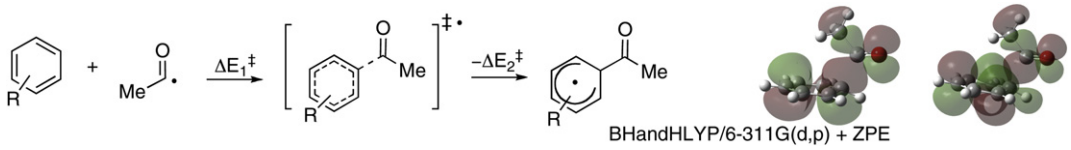
NAT, $R_1=R_2=H$, $R_3=$ ^1R;
NPAT, $R_1=R_2=H$, $R_3=$ ^2R;
TNAT, $R_1=R_2=R_3=$ ^1R;
TNPAT, $R_1=R_2=R_3=$ ^2R.

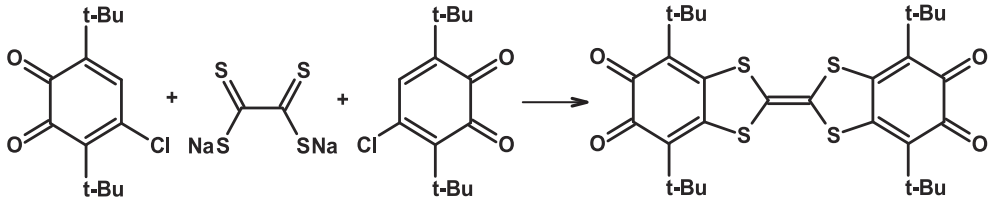


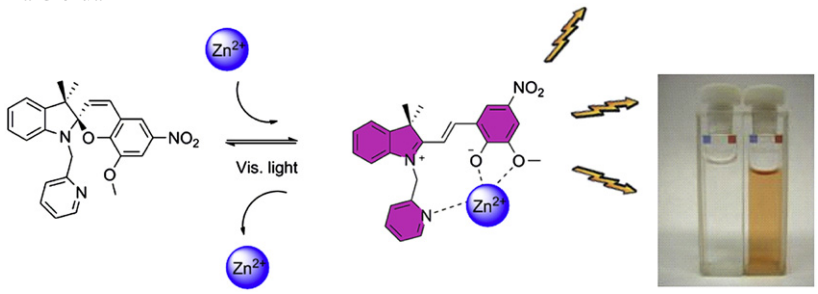
Cf2CzCf2

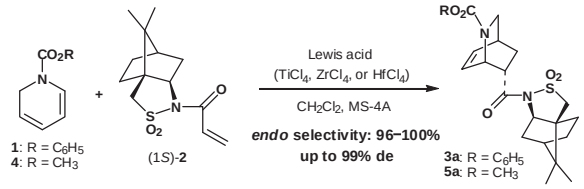


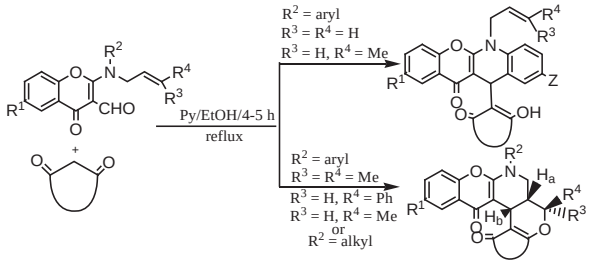


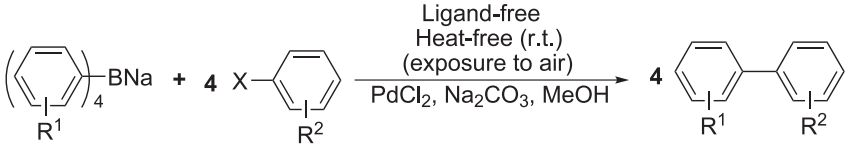






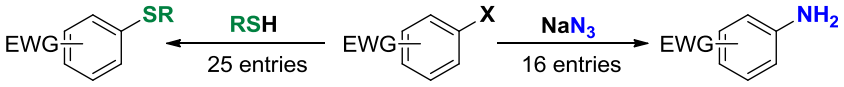






X = Br, I;
R^1 = 4-CH_3, 4-OCH_3, 4-Cl, 4-F;
R^2 = 3-CH_3, 4-CH_3, 4-OCH_3, 4-NO_2, 3-NO_2, 3-Cl, 4-CN, 4-CHO, 4-$COCH_3$, 4-$COOCH_3$, 4-NH_2, 4-$NHCOCH_3$, 4-OC_2H_5 etc.

The atom-efficient Suzuki-Miyaura cross-coupling reaction of sodium tetraaryllborates with aryl ioddes and bromides was reported under ligand-free conditions at room temperature.



$CuSO_4.5H_2O$ (10-20 mol%), Na-ascorbate (10-20 mol%), L-proline (10-20 mol%)
Na_2CO_3 (0.2-5 eq.), DMSO:H_2O (9:1), 70-80 °C, 10-24h

*Corresponding author
Supplementary data available via ScienceDirect

COVER

A catalytic asymmetric synthesis of the key intermediate for otteliones has been achieved using the oxidative desymmetrization. This oxidative desymmetrization was efficiently promoted by an iridium diamine complex to give the desired hydroxy ketone in >90% ee.
Details can be found in Tetrahedron, **2010**, *66*, 7562–7568.

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