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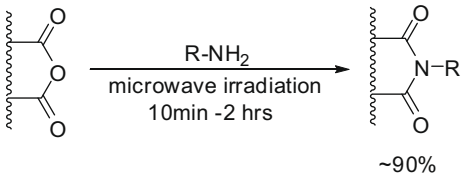
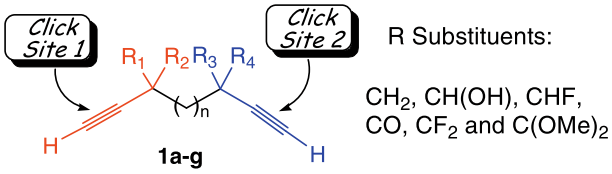
Contents

COMMUNICATIONS

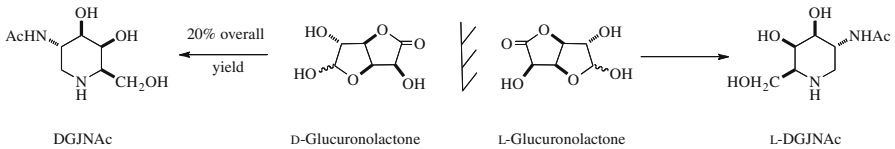


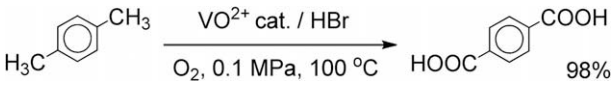
Microwave-assisted preparation of cyclic imides is superior with respect to isolated yield and length of reaction time when compared to conventional methods of preparation of imides.



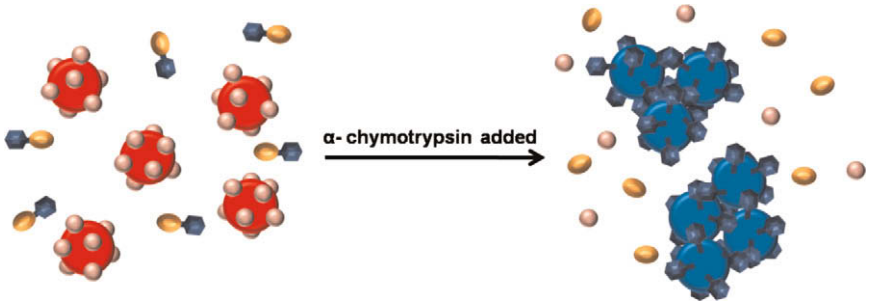
Newly designed ω-diynes allow to establish, through competitive reactions, the effect of C–F, C–OH, CF_2, C=O and $C(OMe)_2$ substituents on the reactivity of neighbouring triple bonds in click chemistry.

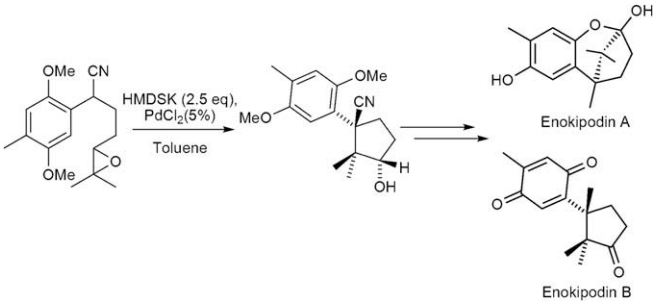
First sub-micromolar inhibitor of α-*N*-acetyl-galactosaminidases K_i 0.081 μM from chicken liver, K_i 0.136 μM from *Charonia lampas*





Efficient oxidation system using vanadyl(IV) sulfate catalyst with molecular oxygen was established. Recovered catalyst could be reused without loss of activity.





A new divergent total synthesis of the cuparenic sesquiterpenes enokipodins A and B is described. It features as the key step a novel cation-controlled, palladium (II) improved, 5-*endo* cyclization, which has been classically considered as 'non-favoured'.