Supplementary information for:

Highly dispersed Mo-doped graphite carbon nitride: Potential application as oxidation catalyst with hydrogen peroxide

Diogo A. F. Gonçalves[a], Raquel P.R. Alvim[a] , Hudson A. Bicalho[a], Anderson M. Peres[b], ildefonso Binatti[a], Pablo F. R. Batista[a], Leonel S. Teixeira[a], Rodrigo R. Resende[c,d], Eudes Lorençon[a*]

[a] Centro Federal de Educação Tecnológica de Minas Gerais, Departamento de Química, Av. Amazonas, 5253, Belo Horizonte, MG, Brazil

[b] Centro de Desenvolvimento da Tecnologia Nuclear, Serviço de Nanotecnologia, Av. Antônio Carlos,6627, Belo Horizonte, MG, Brazil.

[C] Universidade Federal de Minas Gerais, Departamento de Bioquímica e Imunologia, Av. Antônio Carlos,6627, Belo Horizonte, MG, Brazil

[d] Instituto Nanocell, Rua Sto. Antônio, 420, Divinópolis, MG, Brazil

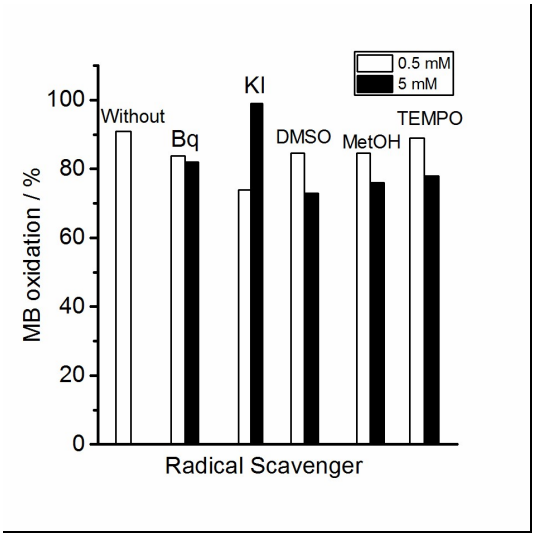

Figure S1. Percentage of MB degradation in the presence of each radical scavenger.

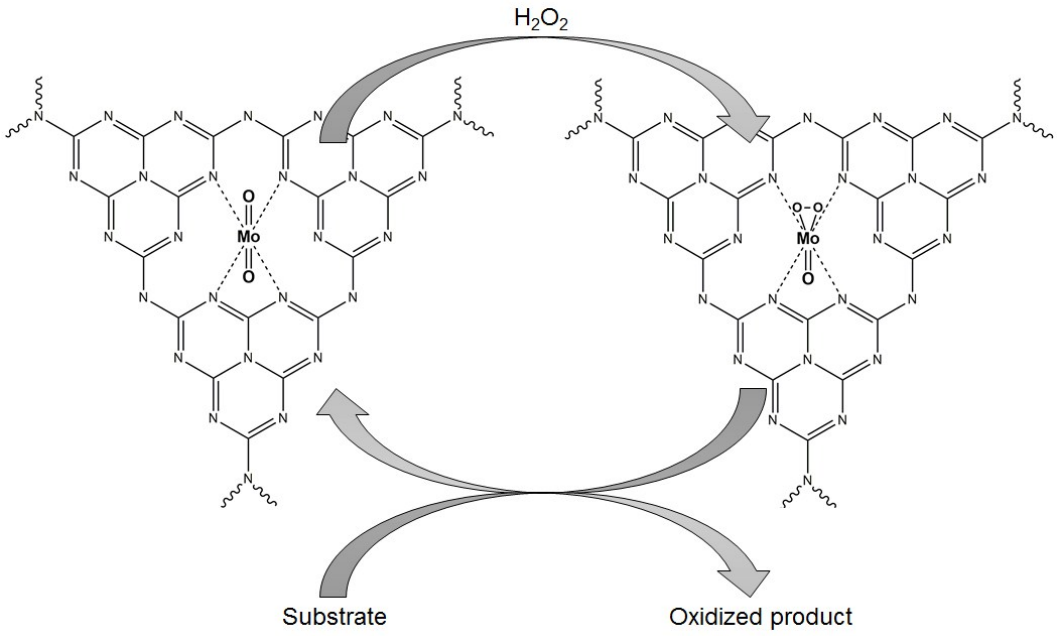

Figure S2. Formation of active peroxo species in Mo/g-C_4N_3 catalyst by H2O2.

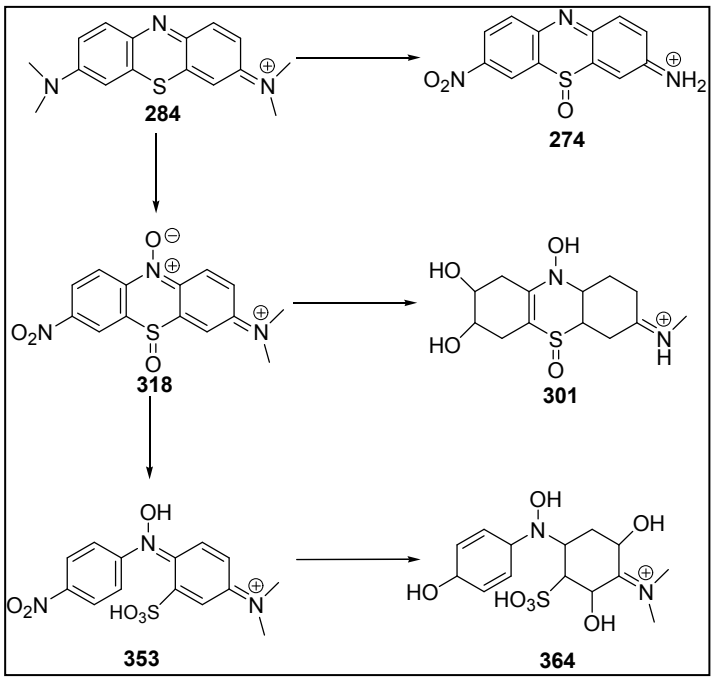

Figure S3 Proposed route for the oxidation of MB by the Mo/g-C_4N_3 catalyst.

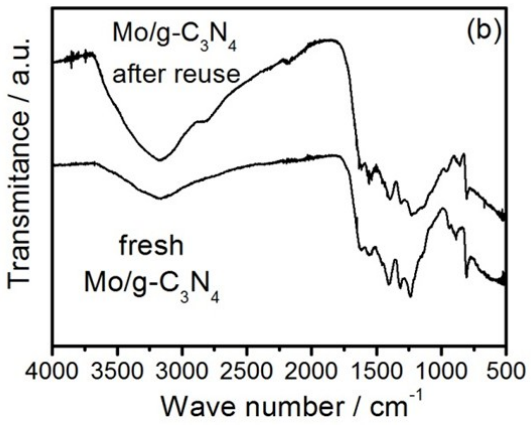

Figure S4. FTIR analysis for Mo/ g-C_3N_4 before and after MB oxidation.