

Supplementary Material

Acetylation of Eugenol over 12-Molybdophosphoric Acid Anchored in Mesoporous Silicate Support Synthesized from Flint Kaolin

Alex de Nazaré de Oliveira ^{1,2,3}, Erika Tallyta Leite Lima ^{1,2}, Deborah Terra de Oliveira ^{2,4}, Rômulo Simões Angélica ⁵, Eloisa Helena de Aguiar Andrade ^{1,6}, Geraldo Narciso da Rocha Filho ^{1,2}, Carlos Emmerson Ferreira da Costa ^{1,2}, Fabiola Fernandes Costa ⁷, Rafael Luque ^{8,9} and Luís Adriano Santos do Nascimento ^{1,2,4,*}

¹ Graduation Program in Chemistry, Federal University of Pará, Augusto Corrêa Street, Guamá, Belém PA 66075-110, Brazil

² Laboratory of Oils of the Amazon, Federal University of Pará, Perimetral Avenue, Guamá, Belém PA 66075-750, Brazil

³ Department of Exact and Technologic Sciences, Federal University of Amapá, Rod. Juscelino Kubitschek, km 02-Jardim Marco Zero, Macapá AP 68903-419, Brazil

⁴ Graduation Program in Biotechnology, Federal University of Pará, Augusto Corrêa Street, Guamá, Belém PA 66075-110, Brazil

⁵ Laboratory of X-Ray Diffraction, Federal University of Pará, Augusto Corrêa Street, Guamá, Belém PA 66075-110, Brazil; rsangelica@gmail.com

⁶ Adolpho Ducke Laboratory, Botany Coordinating, Museu Paraense Emílio Goeldi, Perimetral Avenue, Terra Firme, Belém PA 66077-830, Brazil

⁷ Campus of Salinópolis, Federal University of Pará, Salinópolis, Pará CEP 68721-000, Brazil

⁸ Faculty of Sciences, Research Institute of Chemistry, Peoples Friendship University of Russia (RUDN University), 6 Miklukho Maklaya str., 117198 Moscow, Russia; q62alsor@uco.es

⁹ Department of Organic Chemistry, Universidad de Córdoba, Ctra Nnal IV-A, Km 396, E14014 Cordoba, Spain

* Correspondence: adrlui1@yahoo.com.br; Tel.: +55-91-98171-4947

Received: 15 July 2019; Accepted: 9 September 2019; Published: 16 September 2019

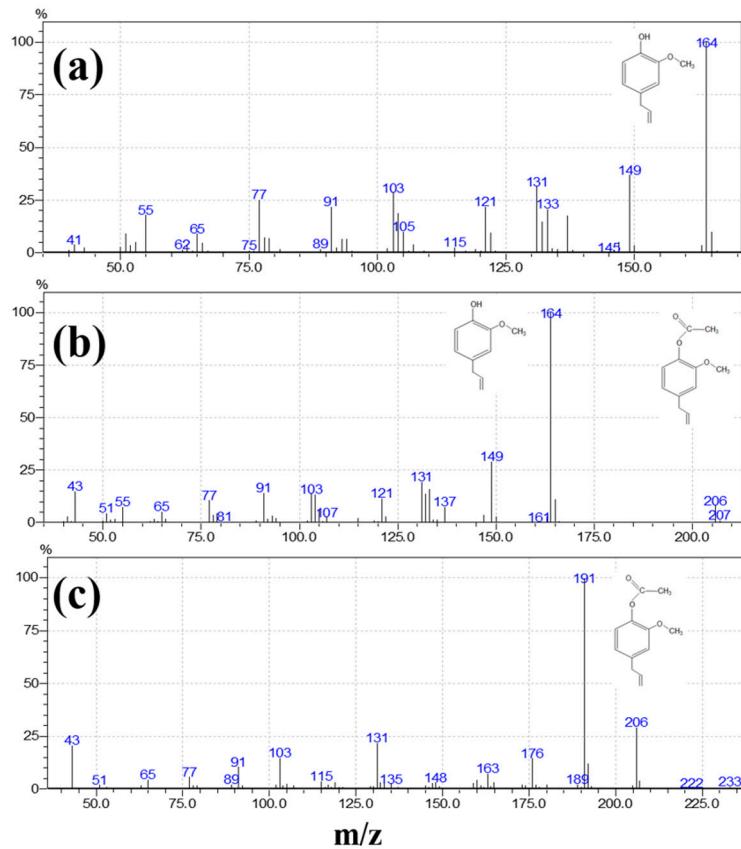


Figure S1. Mass spectrometry (GC/MS) (a) eugenol, (b) eugenol and eugenol acetate, (c) acetate eugenol.

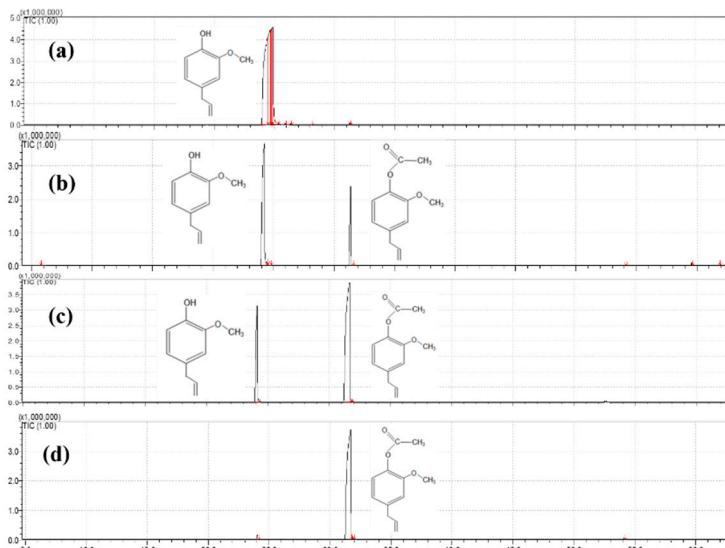


Figure S2. Chromatograms (a) eugenol, (b) eugenol and eugenol acetate (autocatalysis), (c) eugenol and eugenol acetate (catalyzed with 10HPMo/AlSiM), (d) eugenol acetate (catalyzed with 10HPMo/AlSiM).

