

Facile Route for Synthesis of Novel Flame Retardant, Reinforcement and Antibacterial Textile Fabrics Coatings

Nour F. Attia ^{1,2,*}, Mohamed H. Soliman ³, and Sahar S. El-Sakka ^{3,*}

¹ Fire Protection Laboratory, Chemistry Division, National Institute of Standards, Giza 12211, Egypt

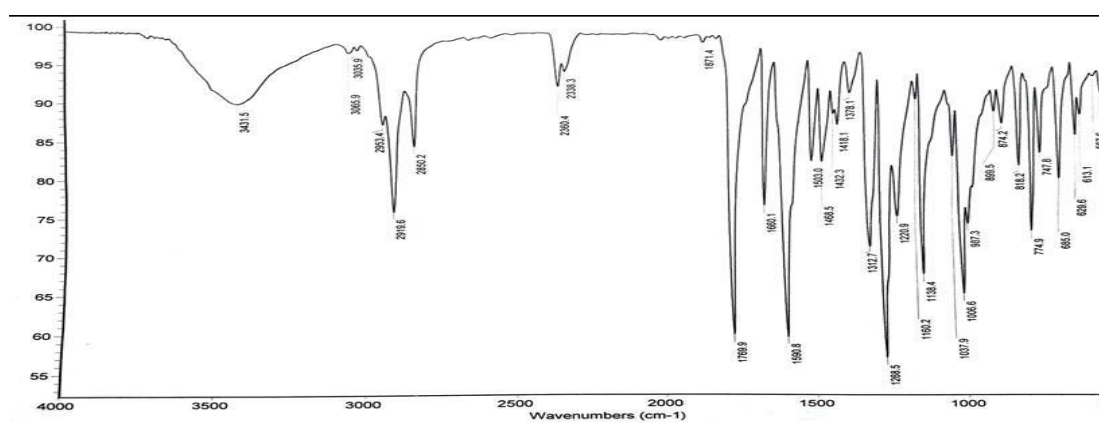
² Department of Energy Engineering, Gyeongnam National University of Science and Technology, Naedong-ro139beon-gil 8, Jinju 52849, Korea

³ Chemistry Department, Faculty of Science, Suez University, Suez 43527, Egypt; Mohamed.Soliman@sci.suezuni.edu.eg

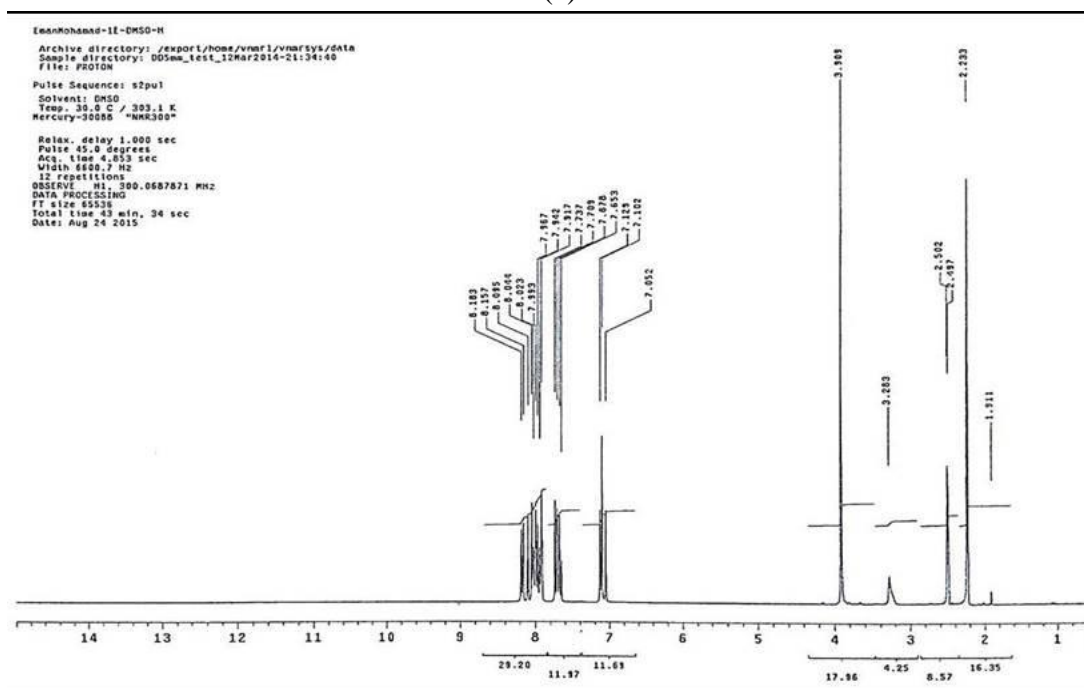
* Correspondence: drnour2017@gntech.ac.kr (N.F.A.); Sahar.el-sakka@sci.suezuni.edu.eg (S.S.E.-S.)

Received: 31 May 2020; Accepted: 17 June 2020; Published: date

Supplementary Materials

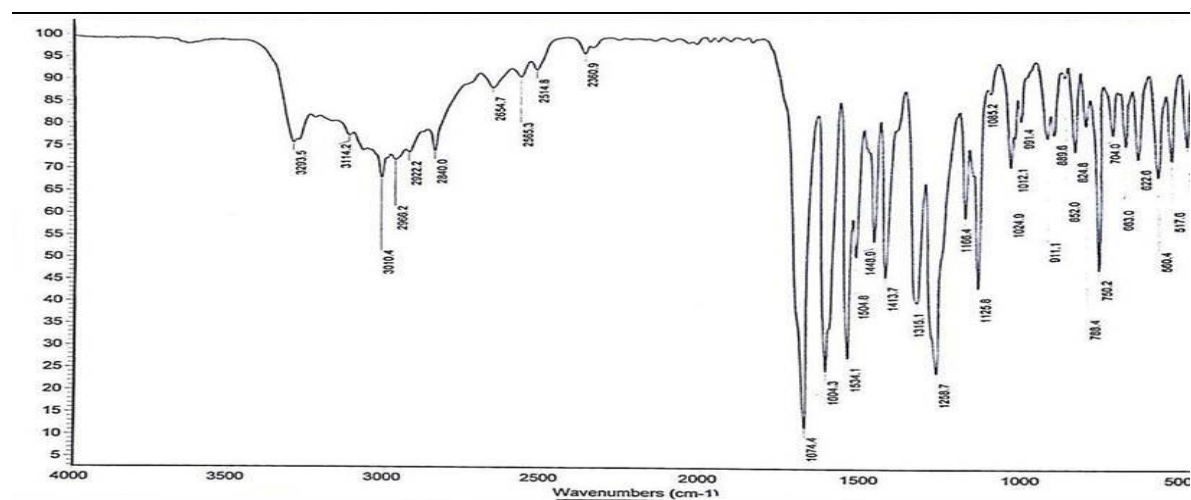


(a)

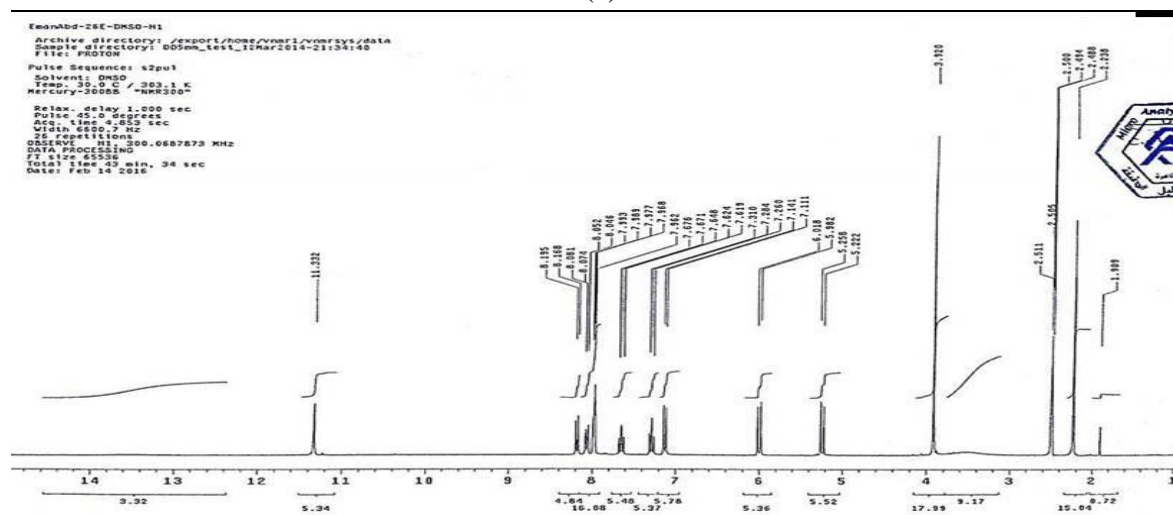


(b)

Figure S1. FTIR spectrum (a) and ^1H NMR (300 MHz, DMSO) spectrum (b) of 2-[3-(4-Methoxy-3-methylphenyl)-3-oxoprop-1-enyl]-4H-3,1-benzoxazin-4-one (2).



(a)



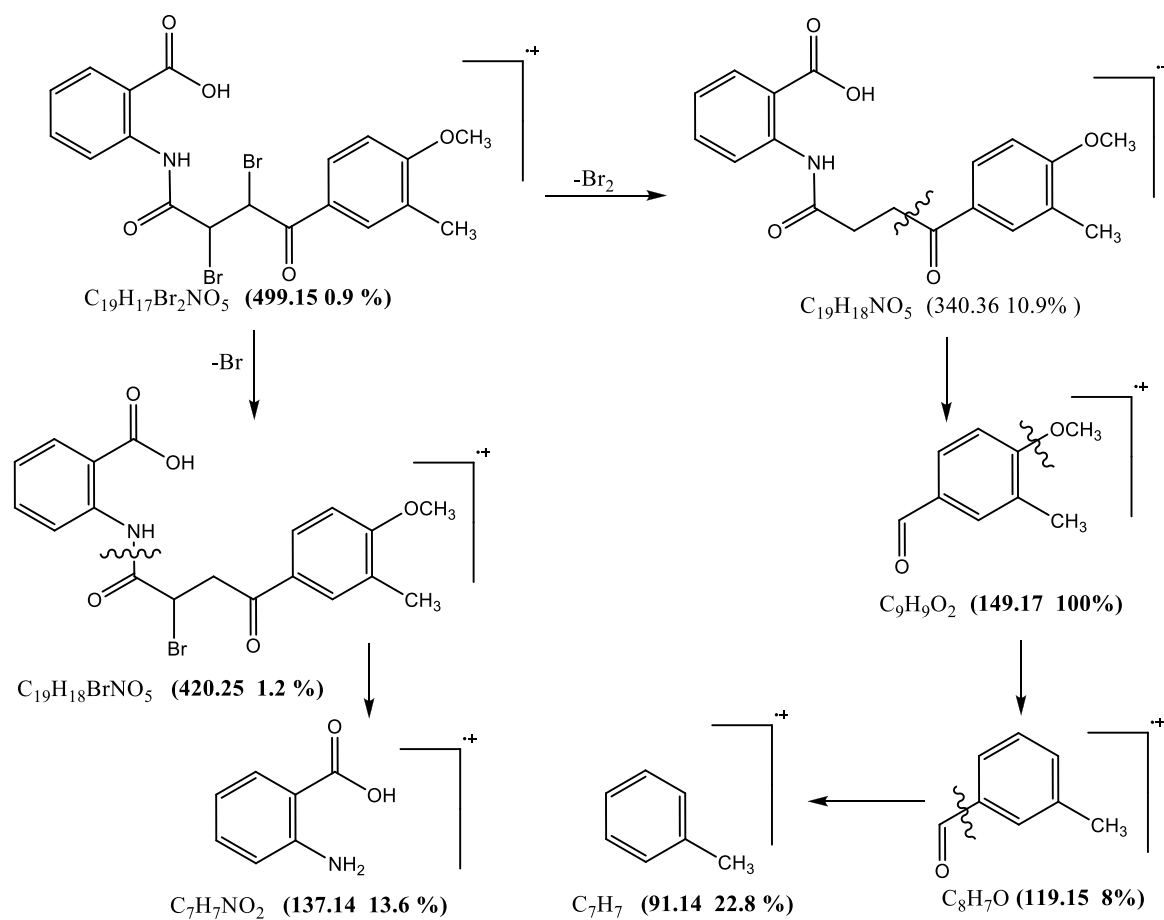


Figure S3. Suggested fragmentation pattern of compound (OA).