Electronic Supplementary Material (ESI) for Photochemical & Photobiological Sciences

SUPPORTING INFORMATION

Photophysical characterization of atorvastatin (Lipitor ®) ortho-hydroxy metabolite: role of hydoxyl group on the drug photochemistry

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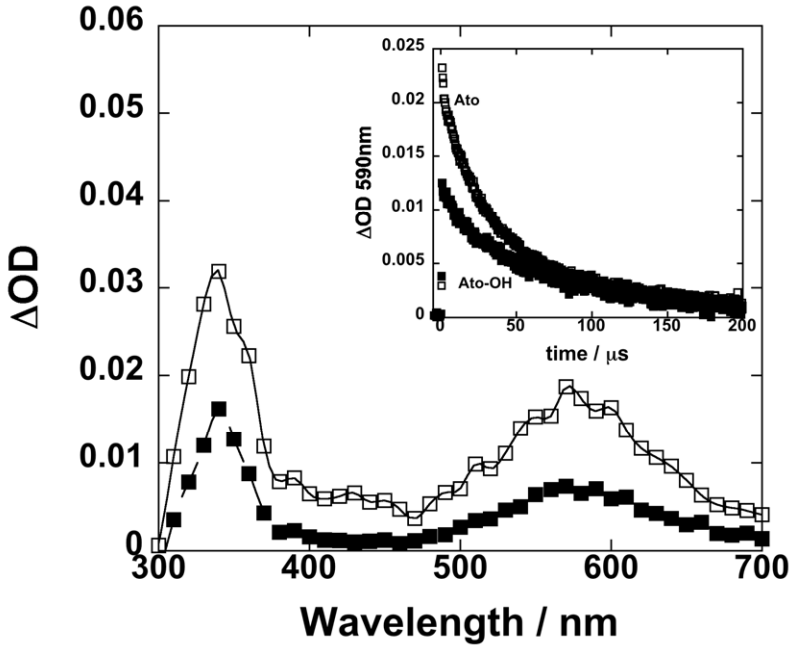

Figure S1. Transient spectra for 20 μM Ato-OH (□) and Ato (■) obtained 3.0 μs after laser excitation at 266 nm in deareated methanol. The inset shows the transient decays at 590 nm after laser pulse for Ato-OH and Ato.

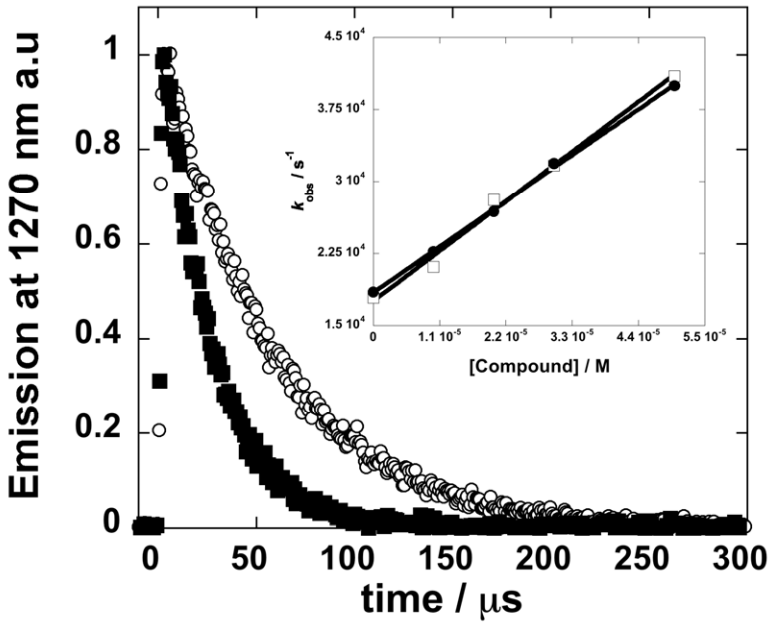

Figure S2. Normalized singlet oxygen emission time profiles (at 1270 nm) after laser excitation at 532 nm of air equilibrated acetonitrile solutions containing 10 μM of RB (○) in absence or (■) presence 50 μM of Ato. The inset shows the changes of singlet oxygen lifetimes (expressed as k_{obs}) vs compound concentration for (□) Ato-OH and (■) Ato.

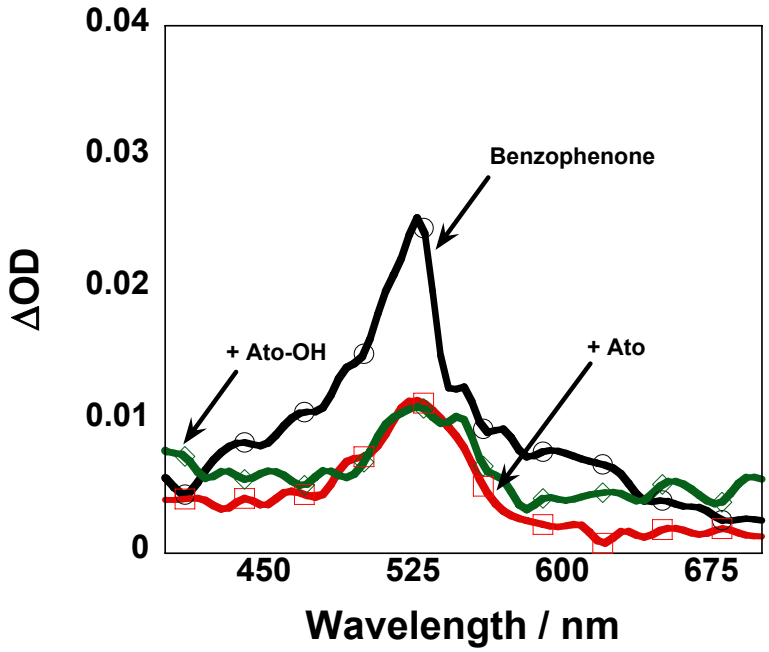

Figure S3. Benzophenone triplet-triplet transient absorption spectra after 2.0 μs laser excitation at 355 nm: in the absence or in the presence of 56 μM of Ato or Ato-OH. All measurements were carried out in acetonitrile nitrogen saturated solutions.