ELECTRONIC SUPPLEMENTARY INFORMATION (ESI)

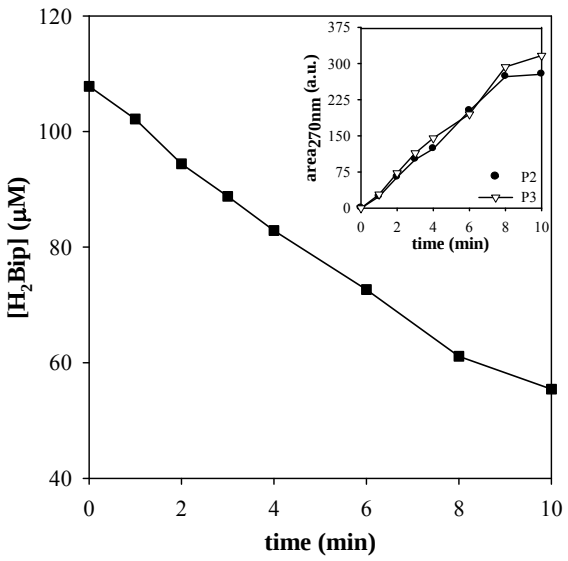

Figure S1.

Time evolution of H_2Bip concentration by HPLC analysis in Ar-saturated aqueous solutions under UV-A irradiation. Inset: Time evolution of the areas of chromatographic peaks corresponding to photoproducts P2 and P3. $[H_2Bip]_0$ = 110 μM, pH = 7.0. Experiments performed using irradiation source I (350 nm) and chromatographic system I (Experimental).

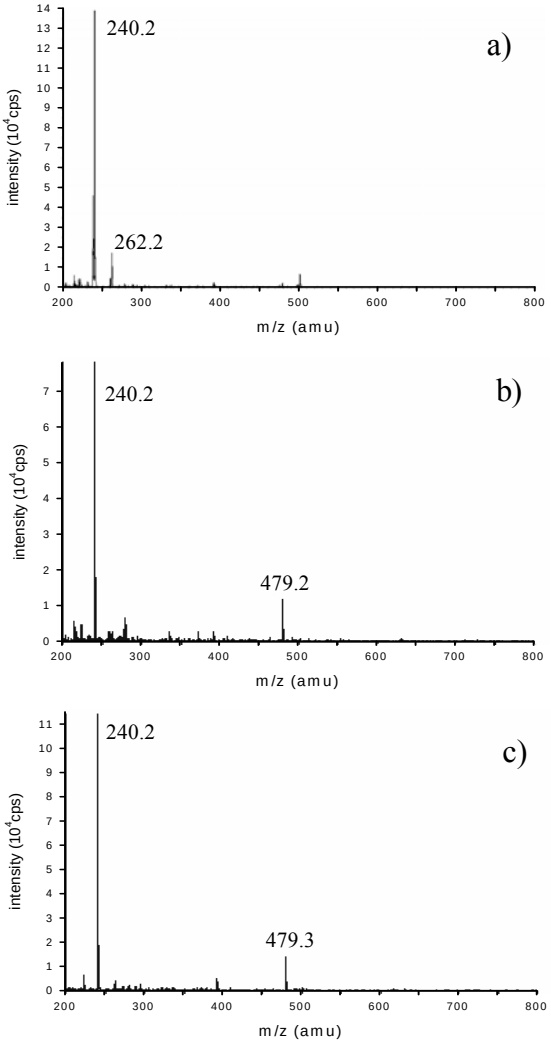

Figure S2.

Electrospray ionization mass spectra of H_2Bip solutions ($[H_2Bip]_0$ = 150 μM, pH = 7.0) irradiated in anaerobic conditions. Analysis carried out in positive mode. a) H_2Bip. b) Product P2. c) Product P3. 60 min of UV exposure at 335 nm using irradiation source II.

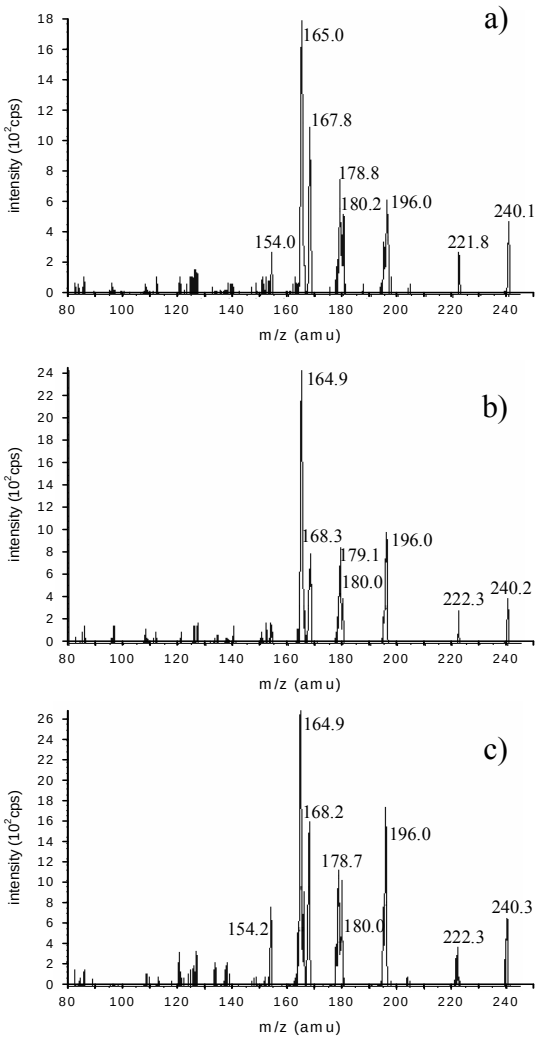

Figure S3.

MS/MS spectra obtained in ESI^+ mode. a) H_2Bip. b) Product P2. c) Product P3.

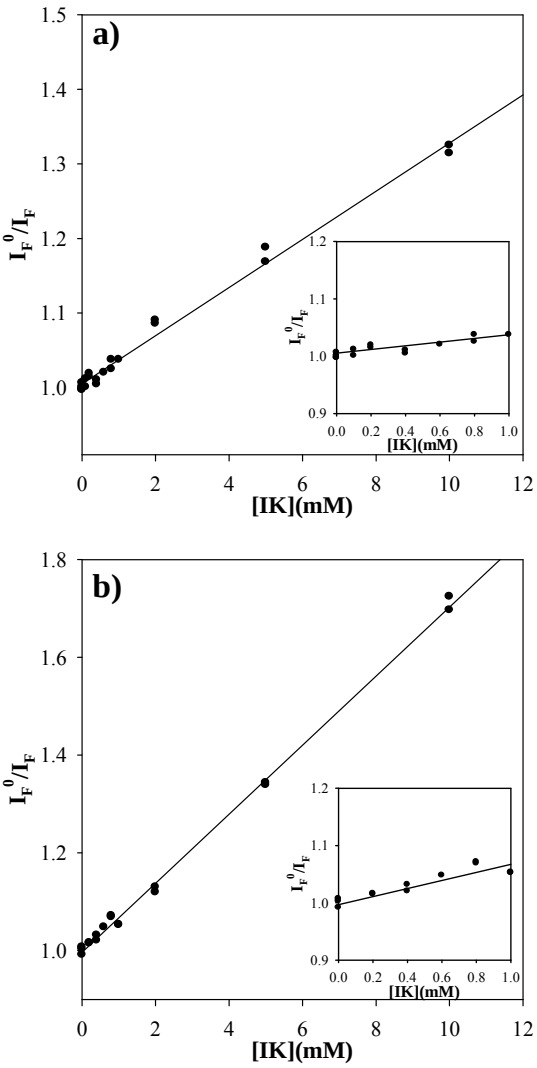

Figure S4.

Quenching of the fluorescence of H_2Bip and Bip by I^-. Stern-Volmer plots of the fluorescence intensities (I_F). pH = 7.0. a) H_2Bip (25 μM), λ_{exc} = 335 nm. b) Bip (25 μM), λ_{exc} = 350 nm. Insets: Detail of Stern-Volmer plots at low I^- concentrations.