Benzosulfones as Photochemically Activated Sulfur Dioxide (SO$_2$) Donors

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X-ray data for 12h: C$_{14}$H$_{11}$FO$_2$S; Compound 12h was crystallized from diethyl ether at room temperature. A colorless rectangular shaped crystal with approximate dimensions 0.302 x 0.210 x 0.052 mm gave monoclinic crystal with space group P21/c; $a = a=11.4383(13)$ b = b=11.6596(15) c = 9.4849(12) Å, $\alpha = 90^\circ$ $\beta = 104.523(3)^\circ$ $\gamma = 90^\circ$; $V = 1224.5(3)$ Å$^3$; $T = 296$ K; $Z = 4$; $\rho_{calc} = 1.423$ Mgm$^{-3}$; $2\theta_{max} = 56.70^\circ$; $MoK\alpha = 0.71073$ Å. Fine-focus sealed tube source with graphite monochromator. $R = 0.0341$ (for 2601 reflection $l>2\sigma (l)$), $wR = 0.1042$ which was refined against |F2| and S = 1.491for 163 parameters and 3047 unique reflections. The structure was obtained by direct methods using SHELXS-97. All non-hydrogen atoms were refined isotropically. The hydrogen atoms were fixed geometrically in the idealized position and refined in the final cycle of refinement as riding over the atoms to which they are bonded. $\mu = 0.267$ mm$^{-1}$. CCDC No.: 907013.
Figure S1. NMR spectra of 4b
Figure S2. NMR spectra of 5a
Figure S3. NMR spectra of 10b
Figure S4. NMR spectra of 10f
Figure S5. NMR spectra of 12b
Figure S6. NMR spectra of 12f
Figure S7. NMR spectra of 16
Figure S8. NMR spectra of 17
Figure S9. NMR spectra of 10j
Figure S10. NMR spectra of 11j
Figure S11. NMR spectra of 12j
Figure S12. NMR spectra of 19
Figure S13. NMR spectra of 20
Figure S14. NMR spectra of 21
Figure S15. NMR spectra of 22