SUPPLEMENTARY MATERIAL

Generation and Rearrangement of (1-Hydroxycyclopropyl)- and (1-Hydroxycyclobutyl)carbene

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(1) 1H and 13C NMR of exo-1-(1a,9b-dihydro-1H-cyclopropa[l]phenanthren-1-yl)cyclopropan-1-ol S2
(2) 1H and 13C NMR of exo-1-(1a,9b-dihydro-1H-cyclopropa[l]phenanthren-1-yl)cyclobutan-1-ol S3
(3) Photolysis of exo-1-(1a,9b-dihydro-1H-cyclopropa[l]phenanthren-1-yl)cyclopropan-1-ol (32) S4
(4) Photolysis of exo-1-(1a,9b-dihydro-1H-cyclopropa[l]phenanthren-1-yl)cyclobutan-1-ol (35) S5
$^1$H NMR of 32 following 1 hour of photolysis (a) compared to an authentic standard of cyclobutanone 37 (b).
$^1$H NMR of 35 following 2 hour of photolysis (a) compared to an authentic standard of cyclopentanone 41 (b).