

bisecting conformation (eclipsing conformation)

For a structure containing the grouping $R_3C-C(Y)=X$ (with identical or different groups R) the conformation in which the *torsion angle* is such that X is *antiperiplanar* to one of the groups R, and, in a *Newman projection*, the double bond $C=X$ bisects one of the $R-C-R$ angles. In this conformation the bond $C-Y$ *eclipses* one of the $C-R$ bonds. The other conformation, in which X is *synperiplanar* to one of the groups R, is called an eclipsing conformation.



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1996, 68, 2201