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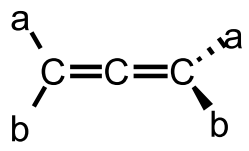
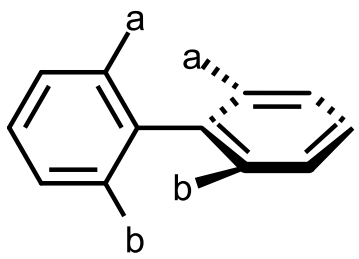
axial chirality

Term used to refer to stereoisomerism resulting from the non-planar arrangement of four groups in pairs about a chirality axis. It is exemplified by allenes abC=C=Ccd (or abC=C=Cab) and by the atropisomerism of *ortho*-substituted biphenyls. The configuration in molecular entities possessing axial chirality is specified by the stereodescriptors R_a and S_a (or by *P* or *M*).





Source:
PAC, 1996, *68*, 2193 *(Basic terminology of stereochemistry (IUPAC Recommendations 1996))* on page 2201

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