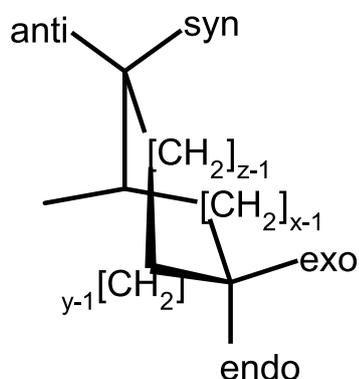
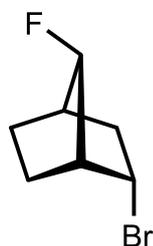


endo, exo, syn, anti

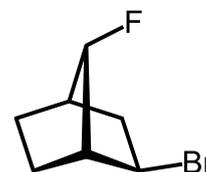
Descriptors of the relative orientation of groups attached to non-bridgehead atoms in a bicyclo[*x.y.z*]alkane ($x \geq y > z > 0$).



If the group is orientated towards the highest numbered bridge (*z* bridge, e.g. C-7 in example below) it is given the description *exo*; if it is orientated away from the highest numbered bridge it is given the description *endo*. If the group is attached to the highest numbered bridge and is orientated towards the lowest numbered bridge (*x* bridge, e.g. C-2 in example below) it is given the description *syn*; if the group is orientated away from the lowest numbered bridge it is given the description *anti*.



2-endo-bromo-7-anti-fluoro-bicyclo[2.2.1]heptane



2-exo-bromo-7-syn-fluoro-bicyclo[2.2.1]heptane

See also: *syn, anti*

Source:

PAC, 1996, 68, 2193 (*Basic terminology of stereochemistry (IUPAC Recommendations 1996)*) on page 2207