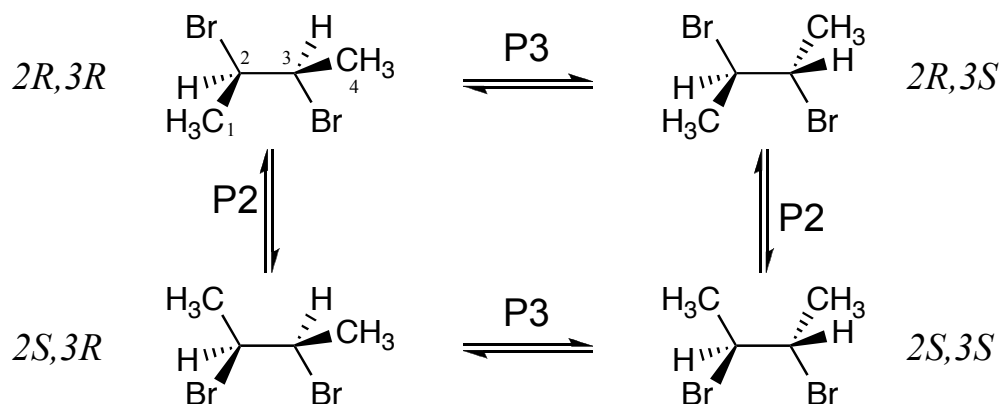
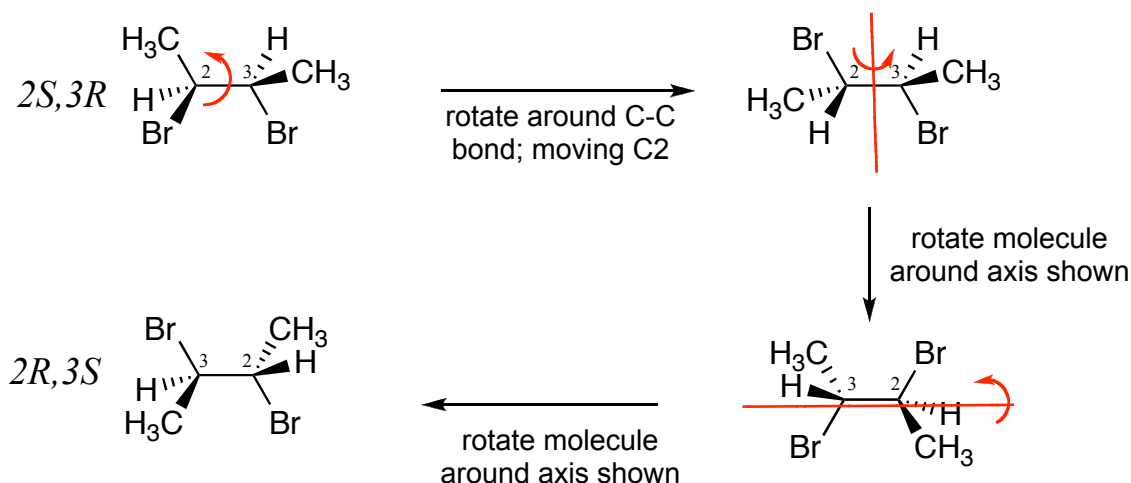


## 2,3-dibromobutane



Start with the 2S,3R form. Rotate around the C-C bond  $120^\circ$ . Then rotate the entire molecule  $180^\circ$  twice, around the axes shown. The resulting structure is congruent with the 2R,3S form shown above. None of the transformations change the configuration at any stereocenter. Thus, the 2S,3R and 2R,3S forms are the same molecule.



Similar manipulations establish that the 2S,3S and the 2R,3R forms are enantiomers.

