

Draw the sawhorse projection of ethane.

A sawhorse projection is a type of molecular representation used in organic chemistry to depict the three-dimensional structure of molecules, particularly those containing carbon-carbon bonds. In a sawhorse projection, the molecule is viewed along the axis of a single bond, with the carbon-carbon bond in the center of the projection.

Sawhorse projections are useful for visualizing the three-dimensional geometry of molecules and predicting how they will interact in chemical reactions. They are commonly used in organic chemistry, particularly in the study of stereochemistry, which involves the study of the spatial arrangement of atoms in molecules.

