

Synthesis and Crystal Structure of N-[(1*S*,4*R*)-2-Oxo-pinanyl]- β -alanine Methylene Ester

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N-[(1*S*,4*R*)-2-Oxo-pinanyl]- β -alanine Methylene Ester, Chiral β -Alanine Equivalent, Crystal Structure, Hydrogen Bond, Electrochemical Modification

The title compound, N-[(1*S*,4*R*)-2-oxo-pinanyl]- β -alanine methylene ester, is an important starting material for the electrochemical preparation of chiral amidoalkylation reagents in the synthesis of chiral β -substituted β -amino acid derivatives. The investigation of its crystal structure reveals an arrangement of the carbonyl group and the amine function, which is influenced by a hydrogen bonding interaction. This conformation makes the molecule especially appropriate for further synthetic modification.

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