

Structure of trans-Methyl 2-phenylhexahydro-2H-isoxazolo[2,3-a]pyridine 3-carboxylate

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ABSTRACT

The title compd., a 1,3-dipolar cycloaddn. product, crystallizes in monoclinic space group P21/c, with a 8.199(3), b 16.908(1), c 10.248(2) .ANG., and β 93.58(2) $^\circ$; Z = 4. The structure was solved by direct methods and refined by full matrix least squares to R = 0.038 for 1687 reflections. At. coordinates are given. The stereochem. of this compd. has the ee conformation in the solid state as well as in soln. The piperidine ring in the mol. is in the chair form and the isoxazolidine ring adopts an envelope conformation.