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4-(2-Methoxybenzylidene)-2-phenyl-1,3-oxazol-5(4H)-one

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Abstract

The title molecule, C₁₇H₁₃NO₃, adopts a Z configuration about the central olefinic bond. The 2-phenyl ring is almost coplanar with the plane of the oxazolone ring system, making a dihedral angle of 2.03 (11)°. The crystal structure is stabilized by n-n inter-actions between the oxazolone ring and phenyl ring of a neighbouring molecule [centroid-centroid distance = 3.550 (3)Å], and by two weak inter-molecular C - H...n inter-actions. In addition, the crystal structure exhibits one weak intra-molecular C - H...N hydrogen bond.

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