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(E)-2-Cyano-3-[4-(dimethyl-amino)phen-yl]-N-phenyl-prop-2-enamide
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Abstract

In the title compound, C₁₈H₁₇N₃O, the dihedral angle between the phenyl and benzene rings is 11.22 (14)°. Apart from the methyl H atoms, the molecule is close to planar, with a maximum deviation of 0.145 (3) Å. Intra-molecular C - H...O and C - H...N inter-actions occur. In the crystal, inversion dimers linked by pairs of N - H...N hydrogen bonds occur, resulting in an R²₂(12) ring motif. Further C - H...N and C - H...O bonds generate R¹₂(7) and R²₂(22) motifs and a C - H...n inter-action also occurs.

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