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3-Amino-1-(4-methoxyphenyl)-9,10-dihydrophenanthrene-2,4-dicarbonitrile

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Abstract: In the title compound, $C_{23}H_{17}N_3O$, significant deviations from planarity are evidenced. This is quantified in the dihedral angles formed between the central amino-benzene ring and the benzene rings of the methoxybenzene [$67.93(8)^\circ$] and 1,2-dihydronaphthalene [$28.27(8)^\circ$] residues. In the crystal the amino-H atoms form hydrogen bonds to the methoxy-O atom and to one of the cyano-N atoms to generate a two-dimensional array with a zigzag topology that stacks along the $(\bar{1}\bar{1}1)$ plane.