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### **3-Amino-1-(2*H*-1,3-benzodioxol-5-yl)-9,10-dihydrophenanthrene-2,4-dicarbonitrile**

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**Abstract:** In the title compound, C<sub>23</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>, significant deviations from planarity are evidenced in the values of the dihedral angles formed between the amino-benzene ring and the benzene rings of the 1,3-benzodioxole [65.38 (12)<sup>o</sup>] and 1,2-dihydronaphthalene [26.27 (14)<sup>o</sup>] residues; the dioxole ring has an envelope conformation with the methylene-C being the flap atom. The amino-H atoms form hydrogen bonds to one of the dioxole-O atoms and to one of the cyano-N atoms to generate a two-dimensional array with a zigzag topology that stacks along the (1 0 2) plane.