

3-amino-5-(piperidin-1-yl)thiophene-2,4-dicarbonitrile.

ABSTRACT

In the title compound, C₁₁H₁₂N₄S, the thiophene ring is roughly planar, with a maximum deviation of 0.012 (1) Å for the S atom, and makes a dihedral angle of 7.89 (8)° with the mean plane of the piperidine ring, which is in a chair conformation. The crystal packing is stabilized by pairs of centrosymmetric intermolecular N—H(...N) hydrogen bonds, which results in the formation of a step-wise chain parallel to [10A_n].

Keyword: Single-crystal X-ray study; Thiophene ring; Crystal .