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## organic compounds




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$N$-(4-Chlorophenyl)-3-nitropyridin-2-amine

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#### Abstract

In the title compound, $\mathrm{C}_{11} \mathrm{H}_{8} \mathrm{ClN}_{3} \mathrm{O}_{2}$, the presence of intramolecular N-H...O and C-H... N interactions help to establish an almost planar molecule [dihedral angle between the pyridine and benzene rings $=9.89(8)^{\circ}$ and r.m.s. deviation for all 17 non-H atoms $\left.=0.120 \AA\right]$. Supramolecular tapes feature in the crystal packing whereby dimeric aggregates sustained by pairs of C-H...O interactions are connected by $\pi-\pi$ interactions occurring between translationally related pyridine rings and between translationally related benzene rings along the $b$ axis [centroid-centroid distance $=$ length of $b$ axis $=3.8032(4) \AA$ ].


