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## organic compounds



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## Methyl 2-(4-chloro-3,5-dinitrobenzamido)acetate

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Abstract: The title molecule, $\mathrm{C}_{10} \mathrm{H}_{8} \mathrm{ClN}_{3} \mathrm{O}_{7}$, is twisted with the dihedral angle between the amide and benzene ring being 38.75 (11) ${ }^{\circ}$. The C-N-C-C torsion angle between the amide and acetyl groups is -150.1 (2) ${ }^{\circ}$. Finally, each nitro group is twisted out of the plane of the benzene ring to which it is connected [O-N-C-C torsion angles $=34.0(3)$ and $\left.-64.5(3)^{\circ}\right]$. Linear supramolecular chains along [010] and mediated by N-H. . O hydrogen bonds between successive amide groups dominate the crystal packing. The chains are consolidated into the three-dimensional structure by $\mathrm{C}-\mathrm{H}_{\ldots} . \mathrm{O}$ contacts.

