

Crystal structure of methyl-*N'*-[1-(thiophen-2-yl) propylidene] hydrazinecarbodithioate

ABSTRACT

The title compound, C₉H₁₂N₂S₃, was obtained from a condensation reaction between S-methyldithiocarbazate and 1-(2-thienyl)-1-propane. The compound crystallized in the monoclinic space group P2₁/n with cell parameters $a = 10.178(3)$, $b = 13.357(4)$, $c = 8.845(3)$ Å, $\beta = 98.613(5)^\circ$, $Z = 4$ and $V = 1188.9(6)$ Å³. The compound was nearly planar with intermolecular N–H···S hydrogen bonding observed in the crystal lattice.

Keywords: Crystal structure; S-methyldithiocarbazate; 1-(2-thienyl)-1-propane; Crystal lattice
