

2-Naphthylmethyl N-(3-pyridylmethylene) hydrazinecarbodithioate.

ABSTRACT

The title molecule, C₁₈H₁₅N₃S₂, is a trans-cis conformer. The thione S atom is in a trans configuration with respect to the pyridine ring but adopts a cis configuration with respect to the naphthylmethyl substituent. In the crystal structure, molecules are linked by intermolecular N-H...N hydrogen bonds via[alpha]-N donor atoms and pyridyl N acceptor atoms into one-dimensional chains along the a axis. In addition, pairs of inversion-related dithiocarbazate groups and the attached pyridine groups are arranged with an interplanar distance 3.30 Å, leading to [pi]-[pi] stacking interactions. The crystal used for the structure determination was twinned.

Keyword: Dithiocarbazate; Naphthyl; Hydrazinecarbodithioate.