



Synthesis and Crystal Structure of 4-(N, N-Dimethylphenyl)-N3-(6-Fluorophenyl)-N5-(2,6-Fluorophenyl)-2,6-Dimethyl-Pyridine-3,5-Dicarboxamide Using Hirshfeld Surface Analysis

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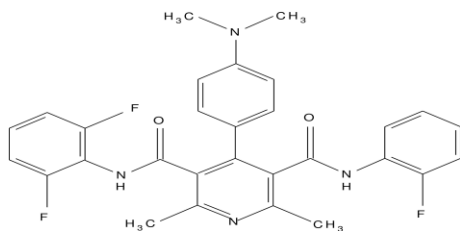
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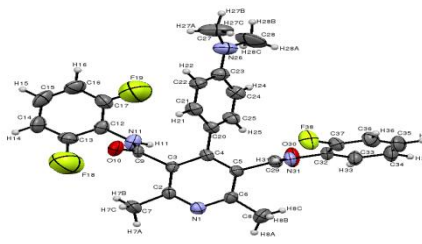
ABSTRACT

The title compound, $C_{29}H_{25}F_3N_4O_2$, crystallizes in the triclinic crystal system and space group *P*-1 with cell parameters $a=9.918(3)\text{\AA}$, $b=11.332(6)\text{\AA}$, $c=12.730(6)\text{\AA}$, $\alpha=77.838(12)^\circ$, $\beta=70.42(3)^\circ$, $\gamma=75.68(3)^\circ$, $V=1293.3(10)\text{\AA}^3$ for $Z=2$. The structure exhibits inter-molecular hydrogen bonds of the type $N-H\cdots O$.

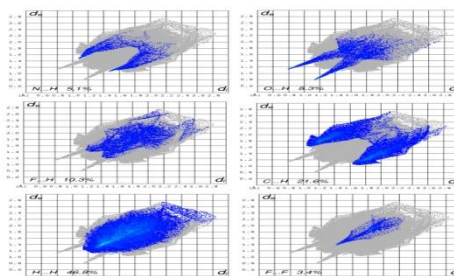
Graphical Abstract



The Schematic diagram of the compound



The ORTEP diagram of the compound



Fingerprint plot of the title compound.

Keywords: Pyridine, crystal structure, hydrogen bond, Hirshfeld surface analysis.