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Crystal structure analysis of 6-amino-5-(6-fluoro-3-phenylisoxazolo[5,4-b]quinolin-4-yl)-1,3-dimethylpyrimidine-2,4(1H,3H)-dione

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Abstract: The crystal structure of6-amino-5-(6-fluoro-3-phenylisoxazolo[5,4-b]quinolin-4-yl)-1,3-dimethylpyrimidine-2,4(1H,3H)-dione($C_{22}H_{16}FN_5O_3$). The compound crystallizes in MonoclinicP21/cspace group with unit cell parameters at 296(2) K as follows: a = 13.3119(5)Å, b =10.7033(4) Å, c =13.8141(4) Å, α =90°, β= 91.8261(12)° γ = 90°.Crystal data were collected using BRUKER SMART APEX II CCD X-ray diffractometer. The structure was solved by direct methods and refined on F^2 by full-matrix least-squares procedures to the final R_1 of 0.0384usingSHELXL programs.
Key Words:isoxzole, quinolone, pyrimidine and crystal structure.

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