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Crystal structure analysis of (2'R,3'R,4'R)-3'-(1H-benzo[d]imidazol-2-yl)-4'-(4-bromophenyl)-1'-methyl-2-oxospiro[indoline-3,2'-pyrrolidine]-3'-carbonitrile

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Abstract:The crystal structure of (2'R,3'R,4'R)-3'-(1H-benzo[d]imidazol-2-yl)-4'-(4-bromophenyl)-1'-methyl-2-oxospiro[indoline-3,2'-pyrrolidine]-3'-carbonitrile ($C_{27}H_{26}BrN_5O_3$). The compound crystallizes in Monoclinic, P21/n space group with unit cell parameters at 296(2) K as follows: $a = 18.660(2) \text{ \AA}$, $b = 7.5092(7) \text{ \AA}$, $c = 19.001(2) \text{ \AA}$, $\alpha = \beta = 90^\circ$, $\gamma = 110.26^\circ$. 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 0.089 using SHELXL programs.

Key Words: oxoindoline, pyrrolidine and crystal structure.

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