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Crystal structure analysis of 4-(3-(5-bromo-1H-indol-3-yl)-2-oxoindolin-3-yl)-3-phenylisoxazol-5(2H)-one

K. Elumalai[1], Nataraj Poomathi[2], P. T. Perumal[2], K. Sakthi Murugesan[1]*

[1]Department of Physics, Presidency College (Autonomous), Chennai-600 005, India

[2]Organic Chemistry Division, CSIR Central Leather Research Institute, Adyar, Chennai-600 020, India

Abstract: The crystal structure of 4-(3-(5-bromo-1H-indol-3-yl)-2-oxoindolin-3-yl)-3-phenylisoxazol-5(2H)-one ($C_{27}H_{22}BrN_3O_4S$). The compound crystallizes in Orthorhombic Pbca space group with unit cell parameters at 296(2) K as follows: a = 14.158(3) Å, b = 14.747(3 8) Å, c = 23.048(7) Å, α = β = 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 0.089 using SHELXL programs.

Key Words: oxoindoline, isoxazole and crystal structure.

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