Supplementary Material

Fused thieno[2,3-b]pyridines: Synthesis and characterization of new condensed pyridothienopyrimidines

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General Information S2
The IR spectra were recorded on a Shimadzu 470 IR-spectrophotometer (KBr; $\nu_{\text{max}}$ in cm$^{-1}$). The NMR spectra were taken on a Varian EM-390, 90 MHz spectrometer or on a JEOL LA 400 MHz FT-NMR spectrometer using TMS as an internal standard. Chemical shifts are given in $\delta$ ppm and coupling constant ($J$) is given in Hz. Electron impact (EI) MS spectra were carried out on a JEOL JMS-600 spectrometer. Elemental analyses (C, H, N and S) were performed on an Elemental Analyses system GmbH vario EL V2.3 1998 CHNS Mode (Assiut University).
R = OMe
R = Cl
R = Cl

X: parts per Million: Carbon:13
The image shows a chemical structure with labels and spectral data. The structure has a ring system with substituents marked by R = OMe. The spectrum displays peaks at specific chemical shifts indicated in parts per million (ppm), with annotations for protons. The data suggests the presence of various functional groups and their positions within the molecule.