

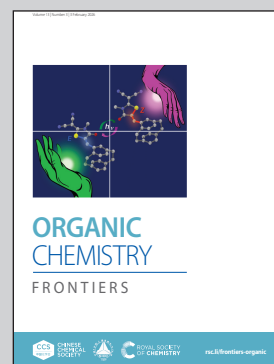
Showcasing research from Professor Manas K. Ghorai's laboratory, Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur, UP-208016, India.

Synthesis of azepino[4,5-*b*]indoles and benzo[*f*][1,5]diazecine-2,8(1*H*,3*H*)diones: promising anti-cancer activity toward cervical and brain cancer

Ring Opening Cyclization (ROC) of aziridines with indoles/ propargyl bromide produces azepino[4,5-*b*]indoles. Subsequently these azepino[4,5-*b*]indole compounds, upon treatment with *m*-CPBA, undergo a PMBWH reaction cascade to furnish the *anti*-cancer (cervical and brain) agents benzo[*f*][1,5]diazecine-2,8(1*H*,3*H*)diones.

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See Ritika Gautam Singh, Manas K. Ghorai *et al.*, *Org. Chem. Front.*, 2026, **13**, 777.