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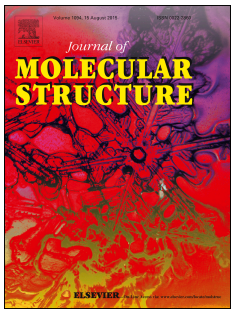

Experimental and theoretical study of crystal and molecular structure of 1,2-di(9*H*-fluoren-9-ylidene)hydrazine

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1,2-Di(9*H*-fluoren-9-ylidene)hydrazine has been synthesized and characterized using ESI-MS, FTIR, NMR, UV–Vis and X-ray diffraction. DFT calculations were used to assign the NMR chemical shifts, to analyze the molecular orbitals and molecular electrostatic potential.