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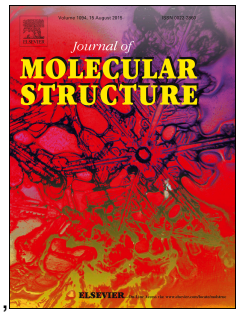

New highly soluble [6,6]-methanofullerene derivatives incorporating both α-keto and α, β-ester stabilized phosphorus ylides; synthesis, characterization, theoretical and biological studies

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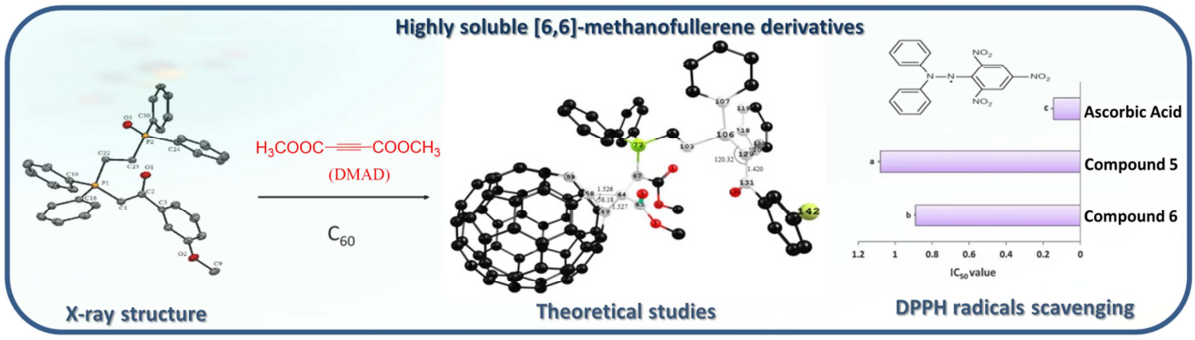
Graphical Abstract



We report the synthesis, characterization and application of new highly soluble [6,6]-methanofullerene derivatives {C_{60}.DMAD.$Ph_2P(CH_2)_2PPh_2C(H)C(O)C_6H_4$-m-R} bearing both α-keto and α, β-ester stabilized phosphorus ylides as antioxidant agents.

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