

Graphical abstract

Synthesis and spectral characterization of novel spiroindan- 1, 3-dione.

A Diels Alder Adduct

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When 1,3-indandione (1) is refluxed with DMSO/Ac₂O reagent at 150⁰C it affords a novel compound 2-spiroindan 1,3-dione (2), a Diels Alder Adduct, analogous to (3) obtained upon treatment of 1,3-indandione with formaldehyde in presence of primary amines.

