Interaction of diphenylacetylene with platinum diiodide in dimethyl sulfoxide in the presence of oxygen

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Abstract

Diphenylacetylene in dimethylsulphoxide in the presence of atmospheric air and platinum diiodide is oxidized to diphenylethanedion-1, 2 with the yield of 91%. In the absence of platinum diiodide in the reaction mixture the formation of diphenylethandion-1,2 did not take place.