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**Synthesis of Spirodienones by Intramolecular *Ips*o-Cyclization of *N*-Methoxy-(4-halogenophenyl)amides Using [Hydroxy(tosyloxy)iodo]benzene in Trifluoroethanol**

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Spirodienones having the 1-azaspiro[4.5]decane ring system have been synthesized from *N*-methoxy-(4-halogenophenyl)amides by the intramolecular ipso attack of a nitrenium ion generated with [hydroxy(tosyloxy)iodo]benzene in trifluoroethanol.

