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**Stereocontrolled total synthesis of (5Z,8Z,10E,12R,14Z)-12-hydroxy-5,8,10,14-icosatetraenoic acid [(12R)-HETE]\***

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A stereocontrolled convergent synthesis of (12R)-HETE by palladium (0)/thallium hydroxide mediated coupling of vinylborane (2-[(1E,3R,5Z)-3-(*tert*-butyldiphenylsiloxy)-1,5-undecadien-1-yl]-1,3,2-benzodioxaborole) with the vinyl iodide (methyl-(5Z,8Z)-9-iodo-5,8-nonadienoate) is reported.

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\* 本報告は *Synthesis*, 1989, 898—901 に発表.

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