

amines (naphthalene compounds)

Q 0810

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**General Strategy Toward the Tetrahydronaphthalene Skeleton. An Expedient Total Synthesis of Sertraline.**

— A general method for the enantioselective synthesis of the tetrahydronaphthalene core, which is found in many bioactive products, is presented in the preparation of the antidepressant sertraline (VIII). It is illustrated that oxabenzonornadienes are excellent substrates for the Ni-catalyzed hydroalumination reaction and that significantly less catalyst can be employed compared to the original disclosure reported. The route described, via (VI), provides an opportunity to introduce the amine via a stereoselective displacement reaction. The azide is obtained in high yield and selectivity. — (LAUTENS, M.; ROVIS, T.; J. Org. Chem. 62 (1997) 16, 5246-5247; Dep. Chem., Univ. Toronto, Toronto, Ont. M5S 1A1, Can.; EN)

