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Synthesis of Functionalized Heteroaromatics: Application to Formal Total Synthesis of Camptothecin.

— The precursor (XI) for camptothecin (XII) is synthesized via two types of lithiation reactions of pyridines and a palladium catalyzed carbonylation of the methanesulfonate derived from (VIII). — (MURATA, N.; SUGIHARA, T.; KONDO, Y.; SAKAMOTO, T.; Synlett (1997) 3, 298-300; Fac. Pharm. Sci., Tohoku Univ., Aoba, Sendai 980, Japan; EN)

