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An Efficient, One-Pot Synthesis of Fosfomycin Dialkyl Esters from (R)-2-Tosyloxypropanal. — An improved synthesis in 7 steps and with an overall yield of 51% is described. The addition of key intermediate (II) to dialkyl phosphonates (III) proceeds with reasonably good stereoselectivity. — (HANAYA*, T.; NAKAMURA, Y.; YAMAMOTO, H.; Heterocycles 74 (2007) 1, 983-989; Dep. Chem., Fac. Sci., Okayama Univ., Tsushima, Okayama 700, Japan; Eng.) — D. Singer