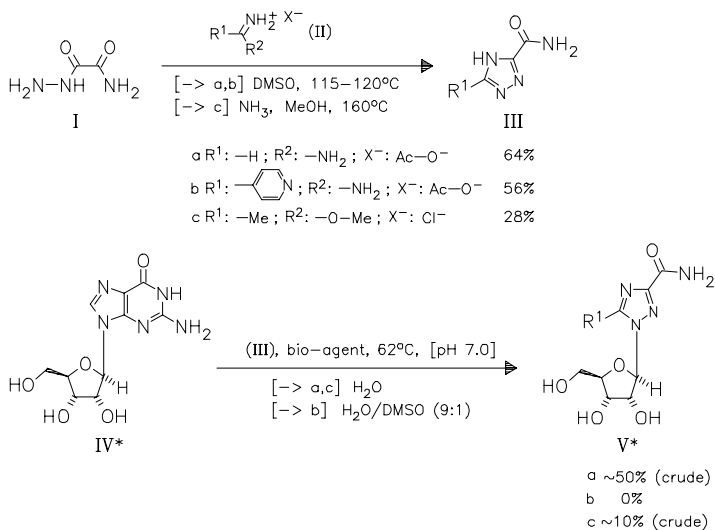


A New Efficient Method of 1,2,4-Triazole-3-carboxamide and Ribavirin Synthesis.

— The synthesis of title triazolecarboxamides (III) is smoothly achieved by cyclocondensation of oxamic acid hydrazide (I) with amidines or iminoesters (II). Transglycosylation with guanosine (IV) is then carried out with purine nucleoside phosphorylase to furnish ribavirin and its analogue (V). The pyridine-containing triazolecarboxamide (IIIb), however, is not a suitable substrate to this enzyme. — (CHUDINOV, M. V.; KONSTANTINOVA, I. D.; RYZHOVA, O. I.; ESIPOV, R. S.; YURKEVICH, A. M.; SHVETS, V. I.; MIROSHNIKOV, A. I.; *Khim.-Farm. Zh.* 39 (2005) 4, 43-46; Moskovskaya gos. akad. tonkoi khim. tekhnol. im. Lomonosova, Moskva, Russia; Russ., Abstr. Eng.) — Mischke



bio-agent: purine nucleoside phosphorylase (E. coli BL21(DE3))