

DOUBLE MICHAEL ADDITION IN THE SYNTHESIS OF ALPHA-2-DEOXY-ULOSIDES FROM BETA-ENAMINO KETONE

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Abstract

α -2-Deoxyulosides were synthesized in good to excellent yields by microwave- assisted reaction of β -enamino ketone with various *O*-nucleophiles or *S*-nucleophiles in the presence of HCl. These double Michael additions occurred with high α -stereoselectivity and were complete in 5 min in 80–95% yield.

