Monofluorinated Aziridines in Asymmetric Synthesis of Chiral Fluorinated Prop-2-yn-1-amines

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Abstract—Nonracemic C-fluoroaziridines were synthesized for the first time by reaction of fluorocarbene with *N*-diphenylmethylidene-substituted natural amino acid esters. The products were shown to be used in asymmetric synthesis of chiral fluorinated prop-2-yn-1-amines via one-pot process involving isomerization of 2-fluoroaziridines into α-fluoro imines and subsequent reaction with alkynyldifluoroborane generated *in situ*.

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