

Stereoselective addition of dialkyl phosphites to di-salicylaldimines bearing the (*R,R*)-1,2-diaminocyclohexane moiety.

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Streszczenie

The addition of dialkyl phosphites to the azomethine bond of *N,N'*-disalicylidene-1,2-diaminocyclohexane imines, catalyzed by sodium hydride led to bis-aminophosphonates in a high diastereoselectivity. One of the bis-aminophosphonates was analyzed by X-ray diffraction. Another bis-aminophosphonate was converted to a bis-aminophosphonic acid and the structure was studied by X-ray diffraction. Addition of phosphites to a diimine resulted in an aminophosphonate, which was also studied by X-ray diffraction. An explanation of the diastereoselectivity is suggested.

Słowa kluczowe

Aza-Pudovik reaction, Stereoselectivity, atom, 2-Diaminocyclohexane, Aminophosphonates

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